

Exhibit A

This page intentionally left blank.

**EXHIBIT A
DRAFT RESOLUTION**

**Before the Chief of Planning in and for the
County of Monterey, State of California**

In the matter of the application of:

CUERVO HOLDINGS LP (T-MOBILE) (PLN250162)

RESOLUTION NO. 26-010

Resolution by the County of Monterey Chief of
Planning:

- 1) Finding the project Categorically Exempt pursuant to CEQA Guidelines section 15301 and no exceptions to section 15300.2 apply; and
- 2) Approving an Administrative Permit to allow the co-location of a wireless communications facility at 29-foot height on an existing 50-foot tall monopole with associated improvements.

[PLN250162, Cuervo Holdings LP, Pine Canyon Rd, King City, Central Salinas Valley Area Plan (APN: 420-071-067-000)]

The Cuervo application (PLN250162) came on for public hearing before the County of Monterey Chief of Planning on January 21, 2026. Having considered all the written and documentary evidence, the administrative record, the staff report, oral testimony, and other evidence presented, the Planning Commission finds and decides as follows:

FINDINGS

1. **FINDING:** **CONSISTENCY** – The Project, as conditioned, is consistent with the applicable plans and policies which designate this area as appropriate for development.
EVIDENCE: a) During the course of review of this application, the project has been reviewed for consistency with the text, policies, and regulations in:
 - the 2010 County of Monterey General Plan;
 - Central Salinas Valley Area Plan
 - County of Monterey Zoning Ordinance (Title 21);No conflicts were found to exist. No communications were received during the course of review of the project indicating any inconsistencies with the text, policies, and regulations in these documents.
b) Project Description. The project includes co-location of a wireless communication facility, including 8 antennas, fourteen remote radio units, three surge suppression systems, and one microwave dish antenna on an established, approved wireless communication facility, including a 50-foot tall steel self-support tower antenna structure. The co-location will occur at 29 feet in height of the existing 50-foot tower. Additionally, one walk in cabinet shelter, one GPS antenna, and one

diesel generator will also be constructed within the 40 by 40 foot lease area

- c) Allowed Use. The property is located at 51950 Pine Canyon Road (Assessor's Parcel Number 420-071-067-000), Central Salinas Valley Area Plan. The parcel has split zoning of Permanent Grazing /40 acres per unit, Rural Grazing/20 acres per unit, and Low Density Residential / 5 acres per unit. The proposed site is within the Permanent Grazing/ 40 acre building site minimum (PG/40) zoning category, which allows the co-location of a wireless communication facilities subject to an Administrative Permit pursuant to Title 21 section 21.34.040.H. Additionally, Title 21sSection 21.64.310 establishes regulations for such facilities (see Finding 7). Therefore, the project is an allowed land use for this site.
- d) Lot Legality. The parcel (Assessor's Parcel Number 420-071-067-000) is shown in its current configuration as 158 acres and is identified in County of Monterey Assessor's Map Book 420, Page 7, Parcel 67. Therefore, the County recognizes the subject property as a legal lot of record.
- e) Design and Visual Resources. The subject property zoning district does not include a Design Control Overlay (see Evidence c) and therefore is not subject to the regulations outlined in Title 21.44. However, according to Monterey County Geographic Information System (GIS) records and Figure 13 (Central Salinas Valley Scenic Highway Corridors and Visual Sensitivity Map) identify the parcel as Highly Sensitive. Pursuant to Policy CSV-3.1 in the Central Salinas Area Plan states that within areas designated as "sensitive" or "highly sensitive" on Figure 13, landscaping or new development may be permitted if the development is located and designed in such a manner that public views are not disrupted. The co-location does not disrupt public views although it is identified as highly sensitive and may be permitted as the development is located and designed in such a manner that public views are not disrupted. The colors and materials proposed are to match the existing monopole. Therefore, the proposed development is consistent with the neighborhood and community character
- f) Cultural Resources. County of Monterey Geographic Information System (GIS) records identifies the subject property to be within a moderate and high archaeological sensitivity area; however, the property is not within a known or potential archaeological resource area. The co-location is sited in the moderate archaeological sensitivity area of the subject property. An archaeological report is not required under the Title 21 section 21.66.050 as the project site location is within a moderate archaeological sensitivity area and the project does not require an environmental assessment. The applicant still submitted aan Archaeological report (LIB190089) that concluded negative results. There is no evidence that any cultural resources would be disturbed due to the co-location, and the potential for inadvertent impacts to cultural resources is limited. This will be controlled by application of the County's standard project condition (Condition No. 3), which requires the contractor to stop work if previously unidentified resources are discovered during construction

- g) Wireless Telecommunication Facility. As demonstrated in Finding 6, the project is consistent with the regulations for siting and design of WCF contained in Title 20 Section 21.64.310.
- h) Land Use Advisory Committee (LUAC) Review. The project was not referred a Land Use Advisory Committee (LUAC) for review, as one does not exist for the Central Salinas Valley planning area.
- i) The application, project plans, and related support materials submitted by the project applicant to County of Monterey HCD-Planning are found in Project File PLN250162.

2. **FINDING:** **SITE SUITABILITY** – The site is physically suitable for the use proposed.

- EVIDENCE:**
- a) The project has been reviewed for site suitability by the following departments and agencies: HCD- Planning, South County Fire Protection District, HCD-Public Works, HCD-Environmental Services, and the Environmental Health Bureau. There has been no indication from these departments/agencies that the site is not suitable for the proposed development. Conditions recommended have been incorporated.
 - b) The following reports have been prepared:
 - “Phase I Cultural Assessment AT&T Mobility, LLC Facility Candidate ‘CCL04830’, King City, County of Monterey, California” (LIB190089) prepared by Helix Environmental Planning, Irvine, CA December 5, 2018.
 - “Radio Frequency- Electromagnetic Energy (RF-EME) Compliance Report” (LIB250405) prepared by Global Technology Associates, October 23, 2025

The above-mentioned technical reports by outside consultants indicated that there are no physical or environmental constraints that would indicate that the site is not suitable for the use proposed. County staff has independently reviewed these reports and concurs with their conclusions.

- c) Staff conducted a virtual site inspection on December 12, 2025, to verify that the site is suitable for this use.
- d) The application, project plans, and related support materials submitted by the project applicant to County of Monterey HCD-Planning are found in Project File PLN250162.

3. **FINDING:** **HEALTH AND SAFETY** - The establishment, maintenance, or operation of the project applied for will not under the circumstances of this particular case be detrimental to the health, safety, peace, morals, comfort, and general welfare of persons residing or working in the neighborhood of such proposed use, or be detrimental or injurious to property and improvements in the neighborhood or to the general welfare of the County.

- EVIDENCE:**
- a) The project was reviewed by HCD-Planning, HCD-Developmental Services, HCD-Environmental Services, South County Fire Protection District, and the Environmental Health Bureau. The respective agencies have recommended conditions, where appropriate, to ensure that the

project will not have an adverse effect on the health, safety, and welfare of persons either residing or working in the neighborhood.

- b) This is an unmanned wireless facility; necessary facilities are provided. This project would not alter these facilities. The Environmental Health Bureau has reviewed the project and made no comments.
- c) A Radio-Frequency Electromagnetic (RF-EME) Modeling Report was prepared for the project. The RF-EME report indicated that there are no physical or environmental impacts resulting from radio frequency emissions that would be detrimental to public health and safety. This report is consistent with applicable requirements of the Federal Communications Commission (FCC).
- d) Staff conducted a virtual site inspection on December 12, 2025, to verify that the site is suitable for this use.
- e) The application, project plans, and related support materials submitted by the project applicant to County of Monterey HCD-Planning are found in Project File PLN250162.

4. **FINDING:** **NO VIOLATIONS** - The subject property is in compliance with all rules and regulations pertaining to zoning uses, subdivision, and any other applicable provisions of the County's zoning ordinance. No violations exist on the property.
- EVIDENCE:** a) Staff reviewed County of Monterey HCD-Planning and HCD-Building Services records and is not aware of any violations existing on subject property.
- b) Staff conducted a virtual site inspection on December 12, 2025, and researched County records to assess if any violation exists on the subject property.
- c) The application, plans and supporting materials submitted by the project applicant to County of Monterey HCD-Planning for the proposed development are found in Project File PLN250162.
-
5. **FINDING:** **CEQA (Exempt):** - The project is categorically exempt from environmental review and no unusual circumstances were identified to exist for the proposed project.
- EVIDENCE:** a) California Environmental Quality Act (CEQA) Guidelines Section 15301 categorically exempts the construction and location of new, small facilities or structures.
- b) The project involves the co-location of a new small wireless telecommunications facility, measuring at 29 feet on an existing 50 feet tall monopole in a 1,600 square foot fenced area.
- c) No adverse environmental effects were identified during staff review of the development application during a virtual site visit on December 12, 2025.
- d) None of the exceptions under CEQA Guidelines Section 15300.2 apply to this project. The project does not involve alterations to a designated historical resource, a hazardous waste site, nor development that would result in a cumulatively significant impact. Although the project is visible from Highway 1 and constitutes development within the Critical Viewshed, as demonstrated in Finding Nos. 2 and 6, supporting evidence, the development is rural in design, compatible with the

surrounding environment, and will not have an adverse impact on public or visual access. There are no unusual circumstances associated with undertaking the project that would create a reasonable possibility that the project would have a significant effect on the environment.

- e) The application, project plans, and related support materials submitted by the project applicant to County of Monterey HCD-Planning for the proposed development found in Project File PLN250162.

7. FINDING

WIRELESS COMMUNICATIONS FACILITIES – The development of the proposed wireless communications facility will not significantly affect any designated public viewing area, scenic corridor, or any identified environmentally sensitive area or resources. The site is adequate for the proposed development of the wireless communications facility, and the applicant has demonstrated that it is the most adequate for the provision of services as required by the Federal Communications Commission (FCC). The proposed wireless communication facility complies with all applicable requirements of County of Monterey Code (MCC) Section 21.64.310. The subject property on which the wireless communication facility is to be built is in compliance with all rules and regulations pertaining to zoning uses, subdivisions, and any other applicable provisions of MCC, and that all zoning violation abatement costs, if any, have been paid. The proposed telecommunication facility will not create a hazard for aircraft in flight.

- EVIDENCE:**
- a) The project consists of the co-location of a wireless communications facility on an existing 50-foot monopole at the height of 29-feet, and associated improvements. The site is located at 51950 Pine Canyon Road, King City.
 - b) Pursuant to the requirements in MCC Section 21.64.310(C)(5) the County analyzed potential visual impacts which could result from the placement of the facility, and finds that the proposed facility will not create a significant visual impact from adjacent properties or roadways. The subject property is not in a designated Visually Sensitive area pursuant to MCC Title 21, however, according to Monterey County Geographic Information System (GIS) records identify the parcel as highly sensitive. The proposed facility will be visible from adjacent properties and from Pine Canyon Road; however, the facility will only be visible for a short time from Pine Canyon Road, and will be 0.75 miles away from the road. Although the established facility is at 50 feet in height, the proposed co-location will be at 29 feet. The facility will be barely noticeable to the average passing motorist. The facility may be visible looking across the street from San Antonio Park within King City, however, this site is 2.5 miles from the proposed project and the staff site visit to this location revealed it could not be seen with the naked eye. Using a telephoto lens, an existing tower on an adjacent peak was barely visible; however, the proposed tower is at a higher elevation than this existing tower, and thus is more visible than the proposed tower would be. San Lorenzo County Park is located approximately 2.5 miles away from the proposed site. Visibility would be similar from this location; however, topography and vegetation further limit views of the ridgeline from this location. Conditions have been incorporated that

require non-glare color treatment, that would reduce the visual impacts in the event of technological advances, and that would require removal and restoration of the site in case of termination of use (Condition Nos. 6 and 8).

- c) Title 21 section 21.64.310(H)(b) encourages co-location of facilities. While the existing pole will not be replaced and have minor additions, these additions will not substantially alter the visual impact of the existing metal tower as it is a co-location, when viewed from Pine Canyon Road. Title 21 section 21.64.310 encourages co-location of wireless facilities when possible. Co-location opportunities were analyzed for the proposed project, which the existing WCF on the subject property is proposed to be used for co-location, meeting the coverage objectives identified in the plan provided. Photographic simulations provided by the applicant illustrate that there is not a significant increase to the visually perceived bulk or height of the existing tower. The project includes a condition to encourage future co-location by other wireless carriers (Condition No. 6).
- d) The project is consistent with MCC Chapter 21.86, Airport Approach Zoning, and does not require review by the County of Monterey Airport Land Use Commission. This project does not affect any aircraft zones identified in MCC Section 21.86.050, and the proposed height is within the limitations outlined in MCC Section 21.86.060.
- e) The project does not penetrate a FAR Part 77 Imaginary Surface. The project site is located approximately 4.5 miles (23,760 linear feet) From the Mesa Del Rey Airport, the nearest public use airport. If deemed necessary by the FCC, warning lights would be located on top of the structure to prevent conflict with any aircraft when visibility is limited.
- f) The project planner reviewed the project application materials and plans, as well as the County's GIS database, to verify that the project on the subject parcel conforms to the plans listed above and that the site is suitable for this use. The application, plans, and supporting materials submitted by the project applicant to County of Monterey HCD-Planning for the proposed development are found in Project File PLN250162.

6. **FINDING:** **APPEALABILITY** - The decision on this project may be appealed to the Planning Commission.
- EVIDENCE:** Section 21.80.040(A) of the County of Monterey Zoning Ordinance (Title 21) states that the proposed project is appealable to the Planning Commission.

DECISION

NOW, THEREFORE, based on the above findings and evidence, the Chief of Planning does hereby:

1. Find the project is a small structure, which qualifies for a Class 1 Categorical Exemption per Section 15301 of the CEQA Guidelines and does not meet any of the exceptions under Section 15300.2;
2. Approve an Administrative Permit to allow the co-location of a wireless communications facility at 29-foot height on an existing 50-foot-tall monopole with associated improvements.

in general conformance with the attached sketch and subject to the attached conditions, all being attached hereto and incorporated herein by reference.

PASSED AND ADOPTED this 21st day of January, 2026.

Melanie Beretti, AICP
Chief of Planning

COPY OF THIS DECISION MAILED TO APPLICANT ON _____.

THIS APPLICATION IS APPEALABLE TO THE PLANNING COMMISSION.

IF ANYONE WISHES TO APPEAL THIS DECISION, AN APPEAL FORM MUST BE COMPLETED AND SUBMITTED TO THE CLERK OF THE BOARD ALONG WITH THE APPROPRIATE FILING FEE ON OR BEFORE _____.

This decision, if this is the final administrative decision, is subject to judicial review pursuant to California Code of Civil Procedure Sections 1094.5 and 1094.6. Any Petition for Writ of Mandate must be filed with the Court no later than the 90th day following the date on which this decision becomes final.

NOTES

1. You will need a building permit and must comply with the County of Monterey Building Ordinance in every respect.

Additionally, the Zoning Ordinance provides that no building permit shall be issued, nor any use conducted, otherwise than in accordance with the conditions and terms of the permit granted or until ten days after the mailing of notice of the granting of the permit by the appropriate authority, or after granting of the permit by the Board of Supervisors in the event of appeal.

Do not start any construction or occupy any building until you have obtained the necessary permits and use clearances from County of Monterey HCD-Planning and HCD-Building Services Department office in Salinas.

2. This permit expires 3 years after the above date of granting thereof unless construction or use is started within this period.

County of Monterey HCD Planning

DRAFT Conditions of Approval/Implementation Plan/Mitigation Monitoring and Reporting Plan

PLN250162

1. PD001 - SPECIFIC USES ONLY

Responsible Department: Planning

Condition/Mitigation Monitoring Measure: This Administrative Permit (PLN250162) allows the co-location of a wireless communications facility at 29-foot height on an existing 50-foot tall monopole with associated improvements. The property is located at 51950 Pine Canyon Road, King City (Assessor's Parcel Number 420-071-067-000), Greater Salinas Valley Area Plan. This permit was approved in accordance with County ordinances and land use regulations subject to the terms and conditions described in the project file. Neither the uses nor the construction allowed by this permit shall commence unless and until all of the conditions of this permit are met to the satisfaction of the Director of HCD - Planning. Any use or construction not in substantial conformance with the terms and conditions of this permit is a violation of County regulations and may result in modification or revocation of this permit and subsequent legal action. No use or construction other than that specified by this permit is allowed unless additional permits are approved by the appropriate authorities. To the extent that the County has delegated any condition compliance or mitigation monitoring to the Monterey County Water Resources Agency, the Water Resources Agency shall provide all information requested by the County and the County shall bear ultimate responsibility to ensure that conditions and mitigation measures are properly fulfilled. (HCD - Planning)

Compliance or Monitoring Action to be Performed: The Owner/Applicant shall adhere to conditions and uses specified in the permit on an on-going basis unless otherwise stated.

2. PD002 - NOTICE PERMIT APPROVAL

Responsible Department: Planning

Condition/Mitigation Monitoring Measure: The applicant shall record a Permit Approval Notice. This notice shall state:
"An Administrative Permit (Resolution Number _____) was approved by Chief of Planning for Assessor's Parcel Number 420-071-067-000 on January 21, 2026. The permit was granted subject to 7 conditions of approval which run with the land. A copy of the permit is on file with Monterey County HCD - Planning."

Proof of recordation of this notice shall be furnished to the Director of HCD - Planning prior to issuance of grading and building permits, Certificates of Compliance, or commencement of use, whichever occurs first and as applicable. (HCD - Planning)

Compliance or Monitoring Action to be Performed: Prior to the issuance of grading and building permits, certificates of compliance, or commencement of use, whichever occurs first and as applicable, the Owner/Applicant shall provide proof of recordation of this notice to the HCD - Planning.

3. PD003(A) - CULTURAL RESOURCES NEGATIVE ARCHAEOLOGICAL REPORT

Responsible Department: Planning

Condition/Mitigation Monitoring Measure: If, during the course of construction, cultural, archaeological, historical or paleontological resources are uncovered at the site (surface or subsurface resources) work shall be halted immediately within 50 meters (165 feet) of the find until a qualified professional archaeologist can evaluate it. Monterey County HCD - Planning and a qualified archaeologist (i.e., an archaeologist registered with the Register of Professional Archaeologists) shall be immediately contacted by the responsible individual present on-site. When contacted, the project planner and the archaeologist shall immediately visit the site to determine the extent of the resources and to develop proper mitigation measures required for recovery.
(HCD - Planning)

Compliance or Monitoring Action to be Performed: The Owner/Applicant shall adhere to this condition on an on-going basis.

Prior to the issuance of grading or building permits and/or prior to the recordation of the final/parcel map, whichever occurs first, the Owner/Applicant shall include requirements of this condition as a note on all grading and building plans. The note shall state "Stop work within 50 meters (165 feet) of uncovered resource and contact Monterey County HCD - Planning and a qualified archaeologist immediately if cultural, archaeological, historical or paleontological resources are uncovered."

When contacted, the project planner and the archaeologist shall immediately visit the site to determine the extent of the resources and to develop proper mitigation measures required for the discovery.

4. PD039(B) - WIRELESS REDUCE VISUAL IMPACTS

Responsible Department: Planning

Condition/Mitigation Monitoring Measure: The applicant shall agree in writing that if future technological advances allow for reducing the visual impacts of the telecommunication facility, the applicant shall make modifications to the facility accordingly to reduce the visual impact as part of the facility's normal replacement schedule. (HCD - Planning)

Compliance or Monitoring Action to be Performed: Prior to the issuance of grading or building permits, the Owner/Applicant shall submit, in writing, a declaration agreeing to comply with the terms of this condition HCD - Planning for review and approval.

5. PD039(C) - WIRELESS CO-LOCATION

Responsible Department: Planning

Condition/Mitigation Monitoring Measure: The applicant and/or successors assigns shall encourage co-location by other wireless carriers on this tower assuming appropriate permits are approved for co-location. Any expansion or additions of microwave dishes, antennas and/or similar appurtenances located on the monopole, which are not approved pursuant to this permit, are not allowed unless the appropriate authority approves additional permits or waivers. In any case, the overall height of the pole shall not exceed the specified height. (HCD - Planning)

Compliance or Monitoring Action to be Performed: On an on-going basis, the Owner/Applicant shall encourage co-location by other wireless carriers on this tower assuming appropriate permits are approved for co-location. The overall height of the pole shall not exceed 50 feet.

6. PD039(D) - WIRELESS REMOVAL

Responsible Department: Planning

Condition/Mitigation Monitoring Measure: If the applicant abandons the facility or terminates the use, the applicant shall remove the monopole, panel antennas, and equipment shelter. Upon such termination or abandonment, the applicant shall enter into a site restoration agreement subject to the approval of the Director of HCD - Planning and County Counsel. The site shall be restored to its natural state within six (6) months of the termination of use or abandonment of the site.
(HCD - Planning)

Compliance or Monitoring Action to be Performed: Prior to abandoning the facility or terminating the use, the Owner/Applicant shall submit a site restoration agreement to HCD - Planning subject to the approval of the HCD - Director of Planning and County Counsel.

Within 6 months of termination of use or abandonment of the site, the Owner Applicant shall restore the site to its natural state.

7. PD039(E) - WIRELESS EMISSION

Responsible Department: Planning

Condition/Mitigation Monitoring Measure: The facility must comply with Federal Communications Commission (FCC) emission standards. If the facility is in violation of FCC emission standards, the Director of HCD - Planning shall set a public hearing before the Appropriate Authority whereupon the appropriate authority may, upon a finding based on substantial evidence that the facility is in violation of the then existing FCC emission standards, revoke the permit or modify the conditions of the permit. (HCD - Planning)

Compliance or Monitoring Action to be Performed: Prior to commencement of use and on an on-going basis, the Owner/Applicant shall submit documentation demonstrating compliance with the FCC emission standards to the Director of HCD-Planning for review and approval.

On an on-going basis, if the facility is in violation of FCC emission standards, the Director of HCD-Planning shall set a public hearing before the Appropriate Authority to consider revocation or modification of the permit.

This page intentionally left blank



T-MOBILE SITE NUMBER:

SFL0050A

SITE NAME:

AT&T: KING CITY

SITE LOCATION:

51950 PINE CANYON RD
KING CITY, CA 93930

COVERAGE STRATEGY

LEGAL DESCRIPTION:

SEE SURVEY BY OTHERS

UTILITY COMPANIES:

POWER:

PG&E

BACKHAUL/AAV:

AT&T

PROJECT CONTACT LIST:

APPLICANT:

T-MOBILE USA, INC.
1200 CONCORD AVENUE SUITE 500
CONCORD CA 94520
PROJECT MANAGER: VANESSA MEYER-CROOKS
VANESSA.MEYERCROOKS1@T-MOBILE.COM
PHONE: 360-936-7785

PROPERTY OWNER:

CUERVO HOLDINGS LP
PO BOX 3310
GREENFIELD, CA 93927

SITE ACQUISITION
& PERMITTING:

NETWORK CONNEX
7543 WOODLEY AVE.
VAN NUYS, CA 94106
CONTACT: SAMANTHA ALPHA
SALPHA@NETWORKCONNEX.COM

CONSTRUCTION MANAGER:

NETWORK CONNEX
7543 WOODLEY AVE.
VAN NUYS, CA 94106
CONTACT: BRANDON ALDIS
BALDIS@NETWORKCONNEX.COM
PHONE: 971-240-3343

PROJECT A&E:

P. MARSHALL & ASSOCIATES, LLC.
6801 PORTWEST DR., #100
HOUSTON, TX 77024
PROJECT ENGINEER:
CHAD WILHOIT, P.E.
CWILHOIT@PMASS.COM
PROJECT MANAGER:
REESE MINOGUE
RMINOGUE@PMASS.COM

TOWER OWNER:

AT&T TOWER
500 EXECUTIVE PKWY
SAN RAMON, CA 94583
CONTACT: REBECCA MONTEZ
MO'CONNOR@TOWERCO.COM
PHONE: 951-240-2925

PROJECT INFORMATION:

CODE INFORMATION:

ZONING CLASSIFICATION: PG

BUILDING CODE: 2022 OSSC/2021 IBC, 2022 OMSC/2021 IMC,
2021 OESC/2020 NEC

CONSTRUCTION TYPE: IIB
OCCUPANCY: U,S-2
JURISDICTION: COUNTY OF MONTEREY
PROPOSED BUILDING USE: UNMANNED TELECOM

SITE LOCATION (NAD88):

LATITUDE: 36.1758389°
LONGITUDE: -121.168914°
TOP OF STRUCTURE: 1508.0' AMSL 50.0" AGL
BASE OF STRUCTURE: 908' AMSL 0.0' AGL
STRUCTURE TYPE: MONOPOLE

PROJECT LEASE AREA:

150 SF

PARCEL NUMBER:

420-071-067-000

NEW IMPERVIOUS AREA:

0 SF

AREA OF PARCEL:

156 ACRES

GENERAL INFORMATION:

PARKING REQUIREMENTS ARE UNCHANGED
TRAFFIC IS UNAFFECTED
SIGNAGE IS PROPOSED

DRAWING INDEX:

SH #	SHEET DESCRIPTION	REV
T-1	TITLE SHEET / PROJECT INFORMATION	C
GN-1	GENERAL NOTES	C
GN-2	SITE SIGNAGE REQUIREMENTS	C
-	SURVEY (BY OTHERS)	C
Z-1	OVERALL PROPERTY PLAN	C
A-1	EXISTING OVERALL SITE PLAN	C
A-2	PROPOSED OVERALL SITE PLAN	C
A-3	PROPOSED ENLARGED EQUIPMENT PLAN	C
A-4	TOWER ELEVATION & ANTENNA PLAN	C
A-5	ANTENNA, RRU SPECS & MOUNT DETAIL	C
A-6	ANDREW VHLP2-11W MW SPECS	C
A-7	ODU SPECS	C
A-8 - A-8.2	MW CABLE SPECS	C
A-9	RBS 6160 & B160 CABINET SPECS	C
A-10	CABINET ANCHOR & BATTERY SPECS	C
A-11	EQUIPMENT & HCS CABLE SPECS	C
A-12	HOFFMAN WINDER/SLACK CAN SPECS	C
A-13 - A-13.2	CIVIL SPECIFICATIONS & DETAILS	C
A-14 - A-14.4	SITE PRO 1 MOUNT DETAILS	C
RF-1	RFDS PLUMBING DIAGRAM	C
E-1	ONE-LINE DIAGRAM & PANEL SCHEDULE	C
E-2	UTILITY & CONDUIT PLANS	C
E-3	GROUNDING PLANS	C
E-4 - E-5	GROUNDING DETAILS	C

PROJECT DESCRIPTION:

T-MOBILE PROPOSES (PER RFDS COVERAGE STRATEGY) TO MODIFY AN EXISTING UNMANNED TELECOMMUNICATIONS FACILITY WITH:

TOWER SCOPE OF WORK:

- INSTALL (1) SITE PRO 1 COLLAR MOUNT, P/N: MSFAA
- INSTALL (3) SITE PRO 1 ANTENNA SECTOR MOUNTS, P/N: VFA10-HD
- INSTALL (3) ERICSSON AIR 6419 B41 ANTENNAS
- INSTALL (1) ANDREW VHLP2-11W MICROWAVE
- INSTALL (2) CERAGON FIBEAIR IP-20A RFU-D-HP ODU'S
- INSTALL (3) AMPHENOL APXVAALL24M-U-J20 ANTENNAS
- INSTALL (3) ERICSSON RADIO 4460 B25+B66 RRU'S
- INSTALL (3) ERICSSON RADIO 4480 B71+B85 RRU'S
- INSTALL (2) 1-5/8" 6/24 4AWG HCS CABLES 10M
- INSTALL (1) ROTEC PC200 2" CORRUGATED INNERDUCT RUN FOR ALL MICROWAVE CABLES
- INSTALL (2) AMPHENOL FIBER OPTIC DUPLEX ARMOR I/O_TMO CABLES
- INSTALL (2) AMPHENOL FIBER OPTIC 2CX14AWG_TMO CABLES

GROUND SCOPE OF WORK:

- INSTALL (1) 10'-0"x15'-0" CONCRETE EQUIPMENT PAD
- INSTALL (1) 6160 CABINET W/ INTERNAL BASEBANDS PER RFDS: (2) RP 6651 & (1) CSR IXRE V2
- INSTALL (1) B160 BATTERY CABINET W/ (4) BATTERY STRINGS
- INSTALL (1) UTILITY FRAME W/: (1) 200A PPC W/ CAMLOK, (1) METER/DISCONNECT, (1) CIENA, (1) TELCO BOX, (1) LED LIGHT W/ TIMER
- INSTALL (2) HOFFMAN CABLE WINDER/SLACK CAN, P/N: A242408LP, MOUNTED ON (N) ICE BRIDGE POST
- INSTALL (1) 24" WIDE ICE BRIDGE & (1) GPS ANTENNA
- INSTALL GROUND RING W/ TEST WELLS, POWER & FIBER TRANCHE(S), PROVIDE ELECTRICIAN, PROVIDE PRIVATE LOCATES & SITE SIGNAGE
- INSTALL (1) 2" RIGID CONDUIT FROM WINDER BOX TO T-MOBILE CABINET

PLANS PREPARED FOR:



1200 CONCORD AVENUE SUITE 500
CONCORD CA 94520

PLANS PREPARED BY:



P. MARSHALL & ASSOCIATES
6801 PORTWEST DR., SUITE 100
HOUSTON, TX 77024

OEM:



MLA PARTNER:

ENGINEERING SEAL:

ISSUED
FOR
REVIEW

DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF T-MOBILE AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF T-MOBILE.

REVISIONS:

DESCRIPTION	DATE	BY	REV
PRELIMINARY	03/07/2025	DAD	A
PRELIMINARY	05/14/2025	SM	B
PRELIMINARY	06/06/2025	SM	C

SITE NAME:

AT&T: KING CITY

SITE NUMBER:

SFL0050A

SITE ADDRESS:

51950 PINE CANYON RD
KING CITY, CA 93930

PM&A PROJECT:

25TMO_08N-004

SHEET DESCRIPTION:

TITLE SHEET

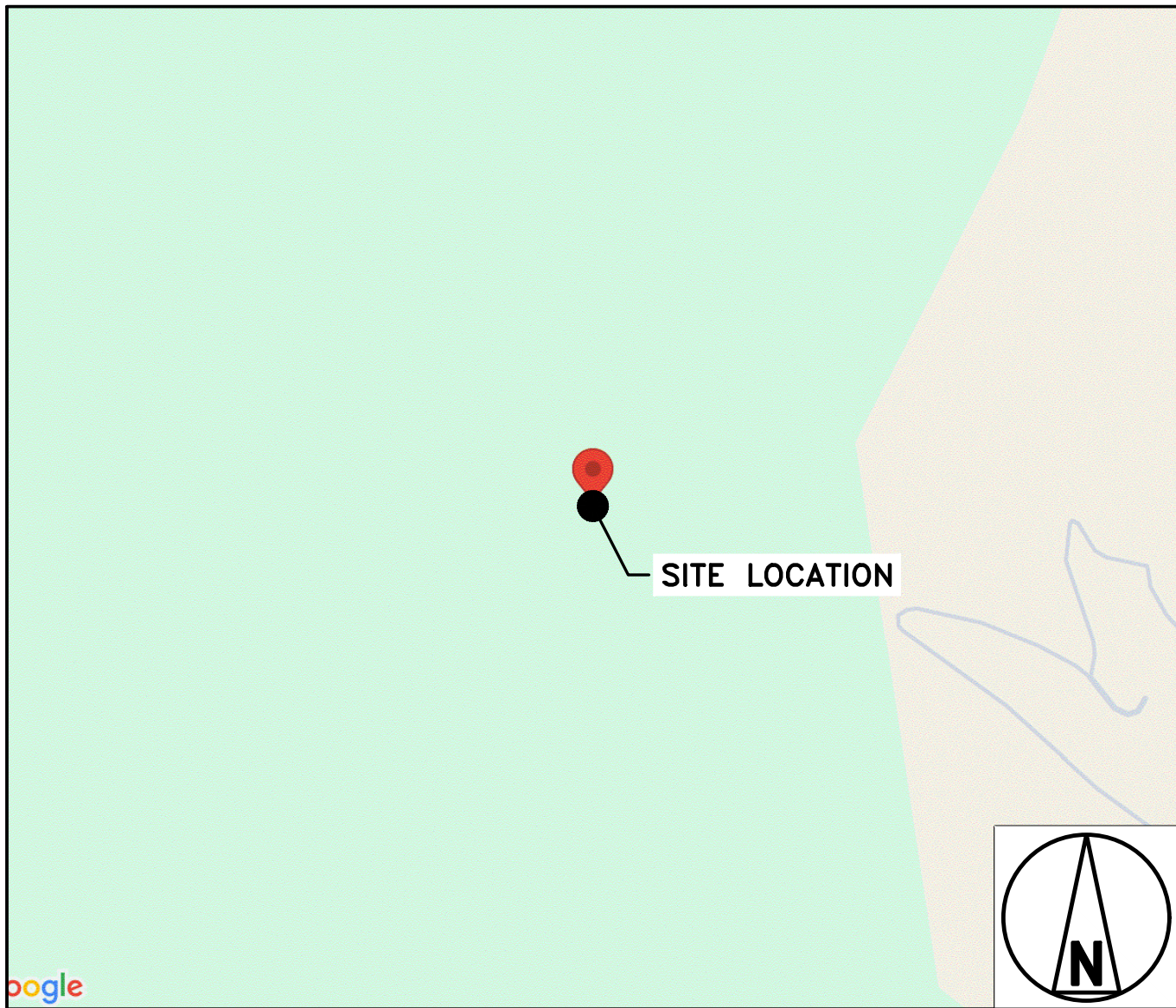
SHEET NUMBER:

T-1

VICINITY MAP



LOCATION MAP



DRIVING DIRECTIONS:

FROM LOCAL T-MOBILE SAN FRANCISCO INTERNATIONAL AIRPORT: GET ON US-101 S FROM AIRPORT ACCESS RD, 1.4 MI. MERGE ONTO US-101 S, 138 MI. TAKE EXIT 283 TO MERGE ONTO JOLON RD, 0.3 MI. MERGE ONTO JOLON RD, 0.3 MI. TURN RIGHT ONTO PINE CANYON RD, 1.4 MI. TURN RIGHT, 0.7 MI. SLIGHT LEFT, 0.1 MI. TURN RIGHT, 1.0 MI. DESTINATION WILL BE STRAIGHT AHEAD.

REVIEWERS SHALL CLEARLY PLACE INITIALS ADJACENT TO EACH REDLINE NOTE AS DRAWINGS ARE BEING REVIEWED

APPROVED BY:	DATE:	SIGNATURE:	APPROVED BY:	DATE:	SIGNATURE:
PROJECT MANAGER:			RF ENGINEER:		
SITE ACQUISITION:			OPERATIONS MANAGER:		
ZONING:			DEVELOPMENT MANAGER:		
CONSTRUCTION MANAGER:			REGULATORY:		
CONSTRUCTION MANAGER:					



Know what's **BELOW**.
Call before you dig.
www.call811.com

GENERAL CONSTRUCTION NOTES

1. ALL WORK SHALL ADHERE TO THE REQUIREMENTS OF THE LOCAL BUILDING CODE (LATEST EDITION), AND ALL OTHER APPLICABLE CODES AND ORDINANCES AS REQUIRED BY THE JURISDICTION.
2. CONTRACTOR SHALL CONSTRUCT SITE IN ACCORDANCE WITH THESE DRAWINGS AND THE CARRIER INTEGRATED CONSTRUCTION STANDARDS FOR WIRELESS SITES (LATEST REVISION). SPECIFICATIONS ARE THE RULING DOCUMENTS, AND ANY DISCREPANCIES BETWEEN THE SPECIFICATIONS AND THESE DRAWINGS SHOULD BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD (EOR) PRIOR TO PROCEEDING WITH CONSTRUCTION.
3. THE DRAWINGS ARE NOT TO BE SCALED. THESE PLANS ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY, UNLESS OTHERWISE NOTED. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT AND APPURTENANCES, AND LABOR NECESSARY TO EFFECT ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
4. CONTRACTOR SHALL VISIT THE JOB SITE AND SHALL FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING THE PROPOSED WORK AND SHALL MAKE PROVISIONS AS TO THE COST THEREOF, FIELD CONDITIONS INCLUDING DIMENSIONS, AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN IN THE DRAWINGS PRIOR TO PROCEEDING WITH CONSTRUCTION, IS REQUIRED. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE EOR PRIOR TO THE COMMENCEMENT OF WORK. NO COMPENSATION WILL BE AWARDED BASED ON CLAIM OF LACK OF KNOWLEDGE OF FIELD CONDITIONS.
5. DIMENSIONS SHOWN ARE TO FINISH SURFACES UNLESS OTHERWISE NOTED. SPACING BETWEEN EQUIPMENT IS REQUIRED CLEARANCE. THEREFORE, IT IS CRITICAL TO FIELD VERIFY DIMENSIONS, AND SHOULD THERE BE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS, EXISTING CONDITIONS AND/OR DESIGN INTENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE WORK.
6. DETAILS ARE INTENDED TO SHOW DESIGN INTENT. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.
7. CONTRACTOR SHALL RECEIVE CLARIFICATION IN WRITING, AND SHALL RECEIVE IN WRITING AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEMS NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
8. CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK USING THE BEST CONSTRUCTION SKILLS AND ATTENTION. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER CONTRACT, UNLESS OTHERWISE NOTED.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE WORK AREA, ADJACENT AREAS AND BUILDING OCCUPANTS THAT ARE LIKELY TO BE AFFECTED BY THE WORK UNDER THIS CONTRACT. WORK SHALL CONFORM TO ALL OSHA REQUIREMENTS.
4. CONTRACTOR SHALL COORDINATE HIS WORK WITH THE SUPERINTENDENT OF BUILDINGS & GROUNDS AND SCHEDULE HIS ACTIVITIES AND WORKING HOURS IN ACCORDANCE WITH THE REQUIREMENTS.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH THE WORK OF OTHERS AS IT MAY RELATE TO RADIO EQUIPMENT, ANTENNAS AND ANY OTHER PORTIONS OF THE WORK.
12. INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS UNLESS SPECIFICALLY OTHERWISE INDICATED OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
13. MAKE NECESSARY PROVISIONS TO PROTECT EXISTING SURFACES, EQUIPMENT, IMPROVEMENTS, PIPING ETC. AND IMMEDIATELY REPAIR ANY DAMAGE THAT OCCURS DURING CONSTRUCTION.
14. IN DRILLING HOLES INTO CONCRETE WHETHER FOR FASTENING OR ANCHORING PURPOSES, OR PENETRATIONS THROUGH THE FLOOR FOR CONDUIT RUNS, PIPE RUNS, ETC., MUST BE CLEARLY UNDERSTOOD THAT REINFORCING STEEL SHALL NOT BE DRILLED INTO, CUT OR DAMAGED UNDER ANY CIRCUMSTANCES (UNLESS NOTED OTHERWISE). LOCATIONS OF REINFORCING STEEL ARE NOT DEFINITELY KNOWN AND THEREFORE MUST BE SEARCHED FOR BY APPROPRIATE METHODS AND EQUIPMENT.
15. REPAIR ALL EXISTING WALL SURFACES DAMAGED DURING CONSTRUCTION SUCH THAT THEY MATCH AND BLEND IN WITH ADJACENT SURFACES.
16. SEAL PENETRATIONS THROUGH FIRE RATED AREAS WITH U.L. LISTED AND FIRE CODE APPROVED MATERIALS.
17. KEEP CONTRACT AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS, AND RUBBISH. EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY OF THE OWNER SHALL BE REMOVED. LEAVE PREMISES IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ITEMS UNTIL COMPLETION OF CONSTRUCTION.
18. MINIMUM BEND RADIUS OF ANTENNA CABLES SHALL BE IN ACCORDANCE WITH CABLE MANUFACTURERS RECOMMENDATIONS.
19. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF THE ENGINEER.
20. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION SHALL BE IN CONFORMANCE WITH JURISDICTIONAL OR STATE AND LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL AND COORDINATED WITH LOCAL REGULATORY AUTHORITIES.
21. LIGHT SHADED LINES AND NOTES REPRESENT WORK PREVIOUSLY DONE. DARK SHADED LINES AND NOTES REPRESENT THE SCOPE OF WORK FOR THIS PROJECT. CONTRACTOR SHALL VERIFY IF EXISTING CONSTRUCTION IS COMPLETE. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY EXISTING CONDITIONS THAT DEVIATE FROM THE DRAWINGS PRIOR TO BEGINNING CONSTRUCTION.
22. CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS AND/OR WIRING CERTIFICATES REQUIRED FOR THE ELECTRICAL SERVICE UPGRADE. IN ADDITION, CONTRACTOR SHALL PROVIDE ALL NECESSARY COORDINATION AND SCHEDULING WITH THE SERVING ELECTRICAL UTILITY AND LOCAL INSPECTION AUTHORITIES.
23. CONTRACTOR TO VERIFY ALL ASPECTS OF THE EXISTING STRUCTURE FOR CONFORMITY WITH THE VALUES SHOWN IN THESE DRAWINGS AND NOTIFY THE E.O.R. IF ANY DISCREPANCIES ARE FOUND. ALL ELEMENTS OF EXISTING STRUCTURE TO REMAIN UNDISTURBED, U.N.O.

SITE WORK NOTES

1. DO NOT EXCAVATE OR DISTURB BEYOND THE PROPERTY LINES OR LEASE LINES, UNLESS OTHERWISE NOTED.
2. DO NOT SCALE BUILDING DIMENSIONS FROM DRAWING.
3. SIZE, LOCATION AND TYPE OF ANY UNDERGROUND UTILITIES OR IMPROVEMENTS SHALL BE ACCURATELY NOTED AND PLACED ON AS-BUILT DRAWINGS BY GENERAL CONTRACTOR AND ISSUED TO ARCHITECT/ENGINEER AT COMPLETION OF PROJECT.
4. ALL EXISTING UTILITIES, FACILITIES, CONDITIONS AND THEIR DIMENSIONS SHOWN ON PLANS HAVE BEEN PLOTTED FROM AVAILABLE RECORDS. THE ENGINEER AND OWNER ASSUME NOT RESPONSIBILITY WHATSOEVER AS TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN ON THE PLANS OR THE MANNER OF THEIR REMOVAL OR ADJUSTMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL EXISTING UTILITIES AND FACILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTOR SHALL ALSO OBTAIN FROM EACH UTILITY COMPANY DETAILED INFORMATION RELATIVE TO WORKING SCHEDULES AND METHODS OF REMOVING OR ADJUSTING EXISTING UTILITIES.
5. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES BOTH HORIZONTALLY AND VERTICALLY PRIOR TO START OF CONSTRUCTION. ANY DISCREPANCIES OR DOUBTS AS TO THE INTERPRETATION OF PLANS SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT/ENGINEER FOR RESOLUTION AND INSTRUCTION, AND NO FURTHER WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS CHECKED AND CORRECTED BY THE ARCHITECT/ENGINEER. FAILURE TO SECURE SUCH INSTRUCTION MEANS CONTRACTOR WILL HAVE WORKED AT HIS/HER OWN RISK AND EXPENSE.
6. CONTRACTOR SHALL CALL LOCAL DIGGER HOT LINE FOR UTILITY LOCATIONS 48 HOURS PRIOR TO START OF CONSTRUCTION.
7. ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS TO BE DISTURBED BY CONSTRUCTION SHALL BE ADJUSTED TO FINISH ELEVATIONS PRIOR TO FINAL INSPECTION OF WORK.
8. GRADING OF THE SITE WORK AREA IS TO BE SMOOTH AND CONTINUOUS IN SLOPE AND IS TO FEATHER INTO EXISTING GRADES AT THE GRADING LIMITS.
9. ALL TEMPORARY EXCAVATIONS FOR THE INSTALLATION OF FOUNDATIONS, UTILITIES, ETC., SHALL BE PROPERLY LAID BACK OR BRACED IN ACCORDANCE WITH CORRECT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS.
10. STRUCTURAL FILLS SUPPORTING PAVEMENTS SHALL BE COMPACTED TO 95% OF MAXIMUM STANDARD PROCTOR DRY DENSITY.
11. NEW GRADES NOT IN BUILDING AND DRIVEWAY IMPROVEMENT AREA TO BE ACHIEVED BY FILLING WITH APPROVED CLEAN FILL AND COMPACTED TO 95% OF STANDARD PROCTOR DENSITY.
12. ALL FILL SHALL BE PLACED IN UNIFORM LIFTS. THE LIFTS THICKNESS SHOULD NOT EXCEED THAT WHICH CAN BE PROPERLY COMPACTED THROUGHOUT ITS ENTIRE DEPTH WITH THE EQUIPMENT AVAILABLE.
13. ANY FILLS PLACED ON EXISTING SLOPES THAT ARE STEEPER THAN 10 HORIZONTAL TO 1 VERTICAL SHALL BE PROPERLY BENCHED INTO THE EXISTING SLOPE AS DIRECTED BY A GEOTECHNICAL ENGINEER.
14. CONTRACTOR SHALL CLEAN ENTIRE SITE DAILY AFTER CONSTRUCTION SUCH THAT NO PAPERS, THRASH, WEEDS, BRUSH OR ANY OTHER DEPOSITS WILL REMAIN. ALL MATERIALS COLLECTED DURING CLEANING OPERATIONS SHALL BE DISPOSED OF OFF-SITE BY THE GENERAL CONTRACTOR.
15. ALL TREES AND SHRUBS WHICH ARE NOT IN DIRECT CONFLICT WITH THE IMPROVEMENTS SHALL BE PROTECTED BY THE GENERAL CONTRACTOR.
16. ALL SITE WORK SHALL BE CAREFULLY COORDINATED BY GENERAL CONTRACTOR WITH LOCAL UTILITY COMPANY, TELEPHONE COMPANY, AND ANY OTHER UTILITY COMPANIES HAVING JURISDICTION OVER THIS LOCATION.

STRUCTURAL STEEL NOTES

1. ALL STEEL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE AISC MANUAL OF STEEL CONSTRUCTION. STEEL SECTIONS SHALL BE IN ACCORDANCE WITH ASTM AS INDICATED BELOW:
W-SHAPES: ASTM A992, 50 KSI
ANGLES, BARS, CHANNELS, PLATES: ASTM A36, 36 KSI
HSS SECTIONS: ASTM 500, 46 KSI
PIPE SECTIONS: ASTM A53-B, 35 KSI
2. ALL EXTERIOR EXPOSED STEEL AND HARDWARE SHALL BE HOT DIPPED GALVANIZED.
3. ALL WELDING SHALL BE PERFORMED USING E70XX ELECTRODES AND WELDING SHALL CONFORM TO AISC. WHERE FILLET WELD SIZES ARE NOT SHOWN, PROVIDE THE MINIMUM SIZE PER TABLE J2.4 IN THE AISC "MANUAL OF STEEL CONSTRUCTION". PAINTED SURFACES SHALL BE TOUCHED UP. ALL WELDING SHALL BE PERFORMED IN AN APPROVED SHOP.
4. ALL BOLTS FOR STEEL TO STEEL CONNECTIONS TO BE PER ASTM A325. HOLES TO BE 1/16" DIA. LARGER THAN BOLT, U.N.O.
5. NON-STRUCTURAL CONNECTIONS FOR STEEL GRATING MAY USE 5/8"Ø ASTM A 307 BOLTS UNLESS NOTED OTHERWISE.
6. FIELD MODIFICATIONS ARE TO BE COATED WITH ZINC ENRICHED PAINT.
7. HOLES TO RECEIVE EXPANSION/WEDGE ANCHORS SHALL CONFORM TO MANUFACTURER'S RECOMMENDATION FOR EMBEDMENT DEPTH AND DIAMETER. LOCATE AND AVOID CUTTING EXISTING REBAR OR TENDONS WHEN DRILLING HOLES IN ELEVATED CONCRETE SLABS OR CONCRETE WALLS.
8. USE AND INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHOR, SHALL BE PER ICC & MANUFACTURER'S WRITTEN RECOMMENDED PROCEDURES. THIRD PARTY SPECIAL INSPECTION IS REQUIRED FOR CONCRETE EXPANSION ANCHORS (I.E. SIMPSON STRONG-BOLT 2 WEDGE ANCHORS PER ESR-3037). INSTALLATION OF WEDGE ANCHORS IN MASONRY IS NOT PERMITTED.

SPECIAL INSPECTION NOTES

1. CONTRACTOR SHALL PROVIDE REQUIRED SPECIAL INSPECTIONS PERFORMED BY AN INDEPENDENT INSPECTOR, APPROVED BY CARRIER AND THE LOCAL JURISDICTION, AS REQUIRED BY IBC SECTION 1704 AND 1705 FOR THE FOLLOWING:

A. STRUCTURAL STEEL:
i. ALL HIGH STRENGTH BOLT INSTALLATIONS; BOLTING INSPECTION TASKS SHALL BE IN ACCORDANCE WITH TABLES N5.6-1, N5.6-2, AND N5.6-3 PER AISC 360-10.
ii. FIELD WELDING (IF UTILIZED).
- B. BOLTS AND ANCHORS IN CONCRETE:
i. RETROFIT ANCHORS IN CONCRETE (ASHESIVE/EPOXY, EXPANSION, WEDGE, OR SCREW TYPE ANCHORS): INSPECT SIZE, LENGTH, CLEANLINESS, AND INSTALLATION PER MANUFACTURER'S RECOMMENDATIONS.
- C. CONCRETE CONSTRUCTION:
i. VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH IBC SECTION 1705, TABLE 1705.3.
2. PROVIDE SPECIAL INSPECTIONS FOR OTHER ITEMS NOTED ON DRAWINGS TO CONFIRM COMPLIANCE WITH CONTRACT DOCUMENTS.
3. THE SPECIAL INSPECTOR SHALL PROVIDE A COPY OF THE REPORT TO THE OWNER, ARCHITECT, STRUCTURAL ENGINEER, CONTRACTOR, AND BUILDING OFFICIAL.

PLANS PREPARED FOR:



1200 CONCORD AVENUE SUITE 500
CONCORD CA 94520

PLANS PREPARED BY:



P. MARSHALL & ASSOCIATES
6801 PORTWEST DR., SUITE 100
HOUSTON, TX 77024

OEM:



MLA PARTNER:

ENGINEERING SEAL:

ISSUED
FOR
REVIEW

DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF T-MOBILE AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF T-MOBILE.

REVISIONS:

DESCRIPTION	DATE	BY	REV
PRELIMINARY	03/07/2025	DAD	A
PRELIMINARY	05/14/2025	SM	B
PRELIMINARY	06/06/2025	SM	C

SITE NAME:

AT&T: KING CITY

SITE NUMBER:

SFL0050A

SITE ADDRESS:

51950 PINE CANYON RD
KING CITY, CA 93930

PM&A PROJECT:

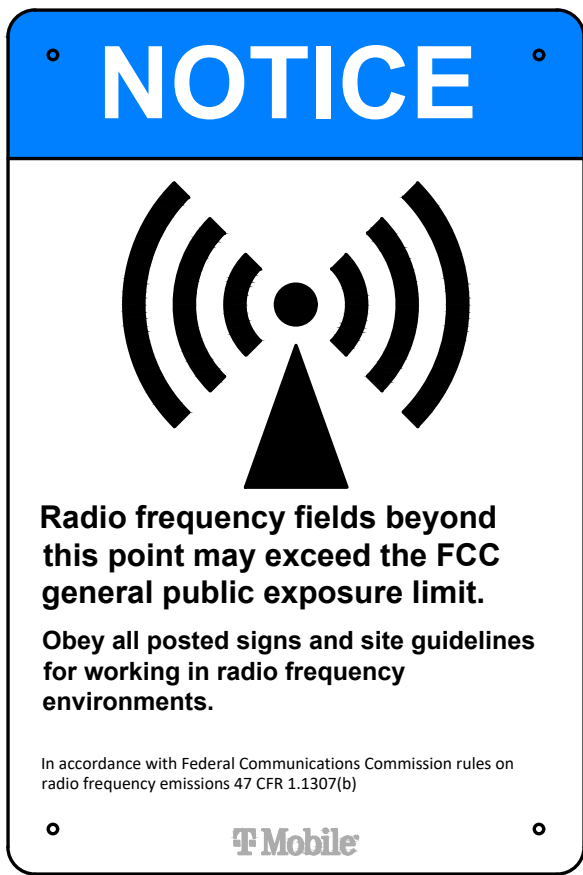
25TMO_08N-004

SHEET DESCRIPTION:

GENERAL NOTES

SHEET NUMBER:

GN-1



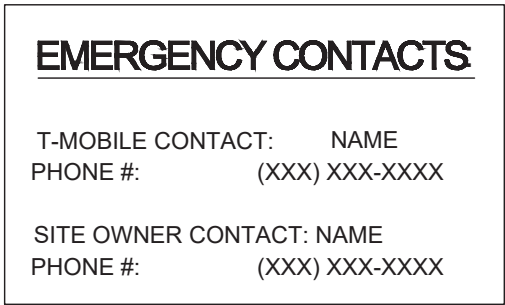
PART NO. TMO142862



PART NO. TMO142851



PART NO.TMO145771

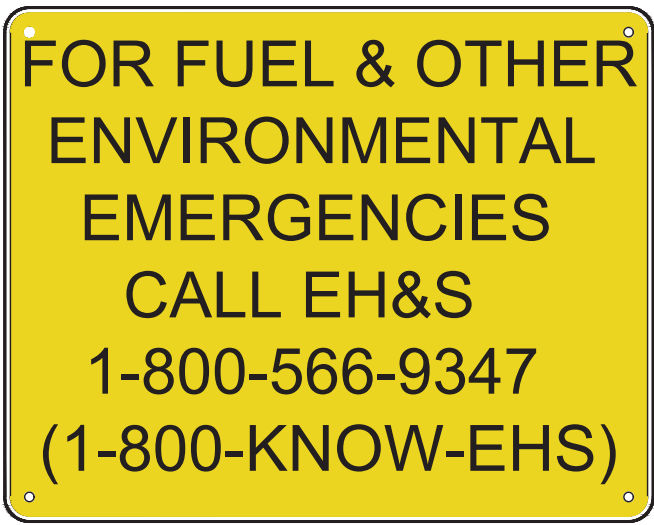
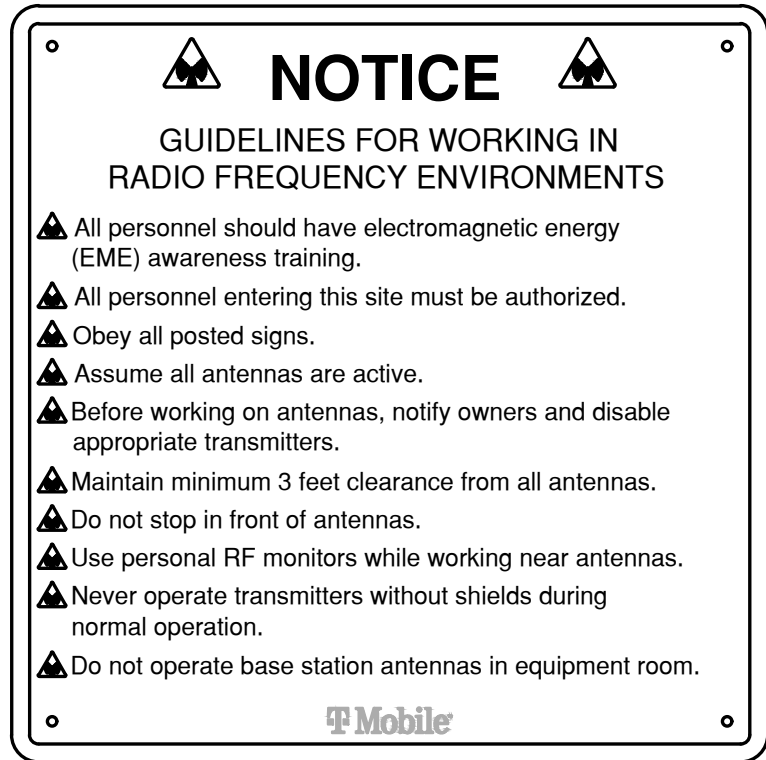


PLACE ON EXTERIOR OF EXISTING SHELTER OR NEAR EXISTING T-MOBILE LEASE AREA

5" X 3" SIGN

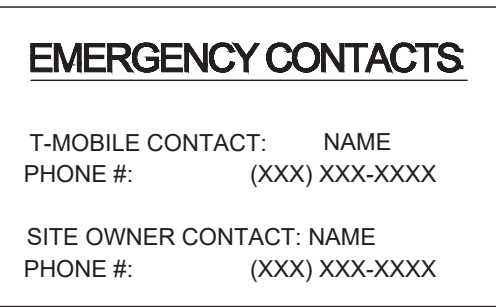
CONTRACTOR TO PROVIDE
REQUIRED SIGNAGE FOR ELECTRICAL
PANELS, DISCONNECTS, TRANSFER
SWITCHES, ETC. PER NATIONAL
ELECTRIC CODE ARTICLE 700.7

REQUIRED LABELING & SIGNAGE



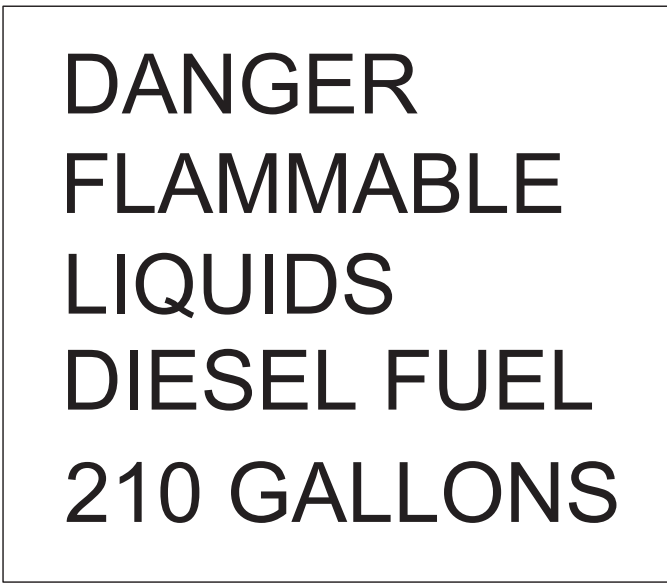
PLACE ON (2) VISIBLE SIDES OF
NEW GENERATOR TANK

11" X 11" SIGN



PLACE ON EXTERIOR OF EXISTING SHELTER
OR NEAR EXISTING T-MOBILE LEASE AREA

5" X 3" SIGN



PLACE ON (2) VISIBLE SIDES OF
NEW GENERATOR TANK

15" X 12" SIGN



PLACE ON VISIBLE SIDE OF
NEW GENERATOR TANK

10" X 7" SIGN



PLACE ON (2) VISIBLE SIDES OF
NEW GENERATOR TANK

18" X 18" SIGN



PART NO. TMO130956

PLANS PREPARED FOR:

T-Mobile

1200 CONCORD AVENUE SUITE 500
CONCORD CA 94520

PLANS PREPARED BY:

PM&A

P. MARSHALL & ASSOCIATES
6801 PORTWEST DR., SUITE 100
HOUSTON, TX 77024

OEM:

**NETWORK
CONNEX**

MLA PARTNER:

ENGINEERING SEAL:

**ISSUED
FOR
REVIEW**

DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL
AND ARE THE SOLE PROPERTY OF
T-MOBILE AND MAY NOT BE
REPRODUCED, DISSEMINATED OR
REDISTRIBUTED WITHOUT THE EXPRESS
WRITTEN CONSENT OF **T-MOBILE**.

REVISIONS:			
DESCRIPTION	DATE	BY	REV
PRELIMINARY	03/07/2025	DAD	A
PRELIMINARY	05/14/2025	SM	B
PRELIMINARY	06/06/2025	SM	C

SITE NAME:

AT&T: KING CITY

SITE NUMBER:

SFL0050A

SITE ADDRESS:

51950 PINE CANYON RD
KING CITY, CA 93930

PM&A PROJECT:

25TMO_08N-004

SHEET DESCRIPTION:

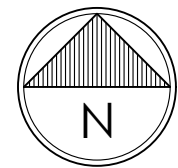
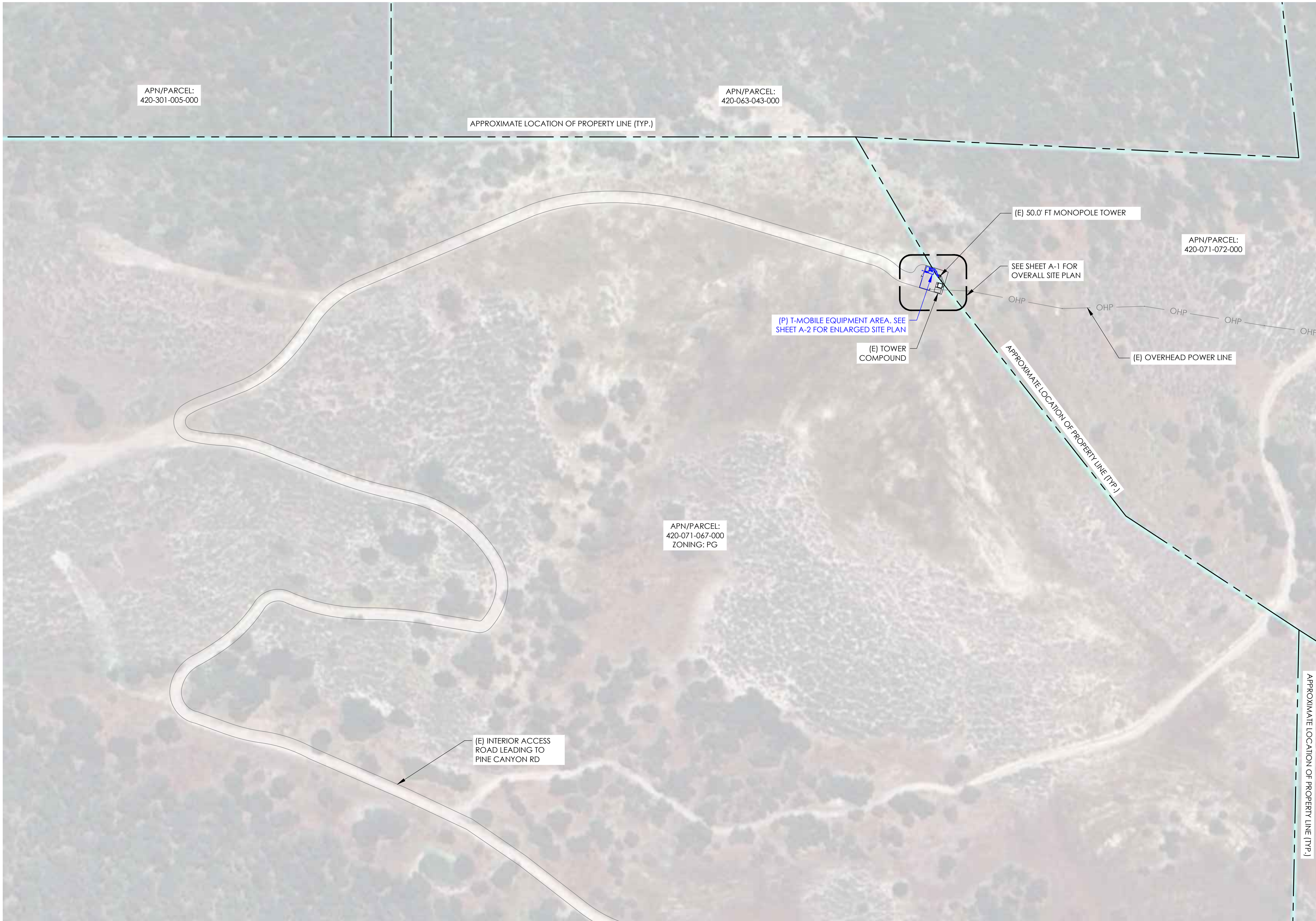
SIGNAGE
REQUIREMENTS

SHEET NUMBER:

GN-2

SITE PLAN DISCLAIMER:

PROPERTY LINES AND STRUCTURES HAVE BEEN DIGITIZED FROM PREVIOUS PLAN SETS OR FROM ASSESSORS MAPS. PM&A HAS NOT COMPLETED A SITE SURVEY AND THEREFORE MAKES NO CLAIMS AS TO THE ACCURACY OF INFORMATION DEPICTED ON THIS SHEET. CONTRACTOR SHALL FIELD VERIFY SITE PLAN & EQUIPMENT SHOWN AGAINST PRESENT FIELD CONDITIONS. IF PLANS DO NOT MATCH UP WITH SITE CONDITION AT TIME OF CONSTRUCTION, CONTACT T-MOBILE CM.



GENERAL NOTES

1. SITE PLAN SHOWN WAS TAKEN FROM SURVEY INFORMATION PROVIDED BY N/A. CONTRACTOR TO VERIFY ALL EXISTING INFORMATION IS INDICATED ON SITE PLAN. CONTRACTOR IS TO ESTABLISH THE EXISTENCE AND LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES. IMMEDIATELY NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES.
2. PARCEL DATA SHOWN WAS TAKEN FROM INFORMATION PROVIDED BY GOOGLE PARLAY, PROPERTY INFORMATION RESEARCH WEB SITE.
3. NO WETLANDS EXISTING ON-SITE
4. ALL CONSTRUCTION ACTIVITY MUST BE IN ACCORDANCE WITH THE ACCEPTED POLICIES BY STATE CODE.

SITE PLAN NOTES

1. ACCESS TO PROPOSED WORK SITE MAY BE RESTRICTED. THE CONTRACTOR SHALL COORDINATE INTENDED CONSTRUCTION ACTIVITY, INCLUDING WORK SCHEDULE AND MATERIALS ACCESS WITH THE LEASING AGENT FOR APPROVAL.
2. CONTRACTOR SHALL HAVE PRESENT ON SITE CURRENT CARRIER SUPPLIED INFORMATION PRIOR TO COMMENCE OF WORK: IE. RFDS, DESIGN DOCUMENTS SPECIFIC TO SITE AND CONFIGURATION. NOTIFY CONSTRUCTION MANAGER OF ANY DISCREPANCY PRIOR TO ARRIVAL AT SITE.
3. ALL DAMAGE TO EXISTING UNDERGROUND, OVERHEAD OBSTACLES AND/OR EXISTING EQUIPMENT, PAD OR SHELTERS SHALL BE REPLACED BACK TO FULL ORIGINAL OR BETTER CONDITION & SHALL MATCH EXISTING CONDITIONS BY REPAIRS AT GENERAL CONTRACTOR EXPENSE.
4. THE EXISTING TREES AND VEGETATION ARE SUFFICIENT TO PROVIDE THE REQUIRED SCREENING OF THE ENCLOSURE PER LOCAL ORDINANCE. IF THE VEGETATION IS REMOVED OR DAMAGED DURING THE CONSTRUCTION PROCESS, NEW LANDSCAPING/ SCREENING WILL BE INSTALLED TO MEET LOCAL ORDINANCE REQUIREMENTS. COORDINATE WITH LL ON APPROPRIATE REPLACEMENTS AS NECESSARY.

PLANS PREPARED FOR:



PLANS PREPARED BY:



OEM:



MLA PARTNER:

ENGINEERING SEAL:

ISSUED
FOR
REVIEW

DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF T-MOBILE AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF T-MOBILE.

REVISIONS:	DESCRIPTION	DATE	BY	REV
	PRELIMINARY	03/07/2025	DAD	A
	PRELIMINARY	05/14/2025	SM	B
	PRELIMINARY	06/06/2025	SM	C

SITE NAME:

AT&T: KING CITY

SITE NUMBER:

SFL0050A

SITE ADDRESS:

51950 PINE CANYON RD
KING CITY, CA 93930

PM&A PROJECT:

25TMO_08N-004

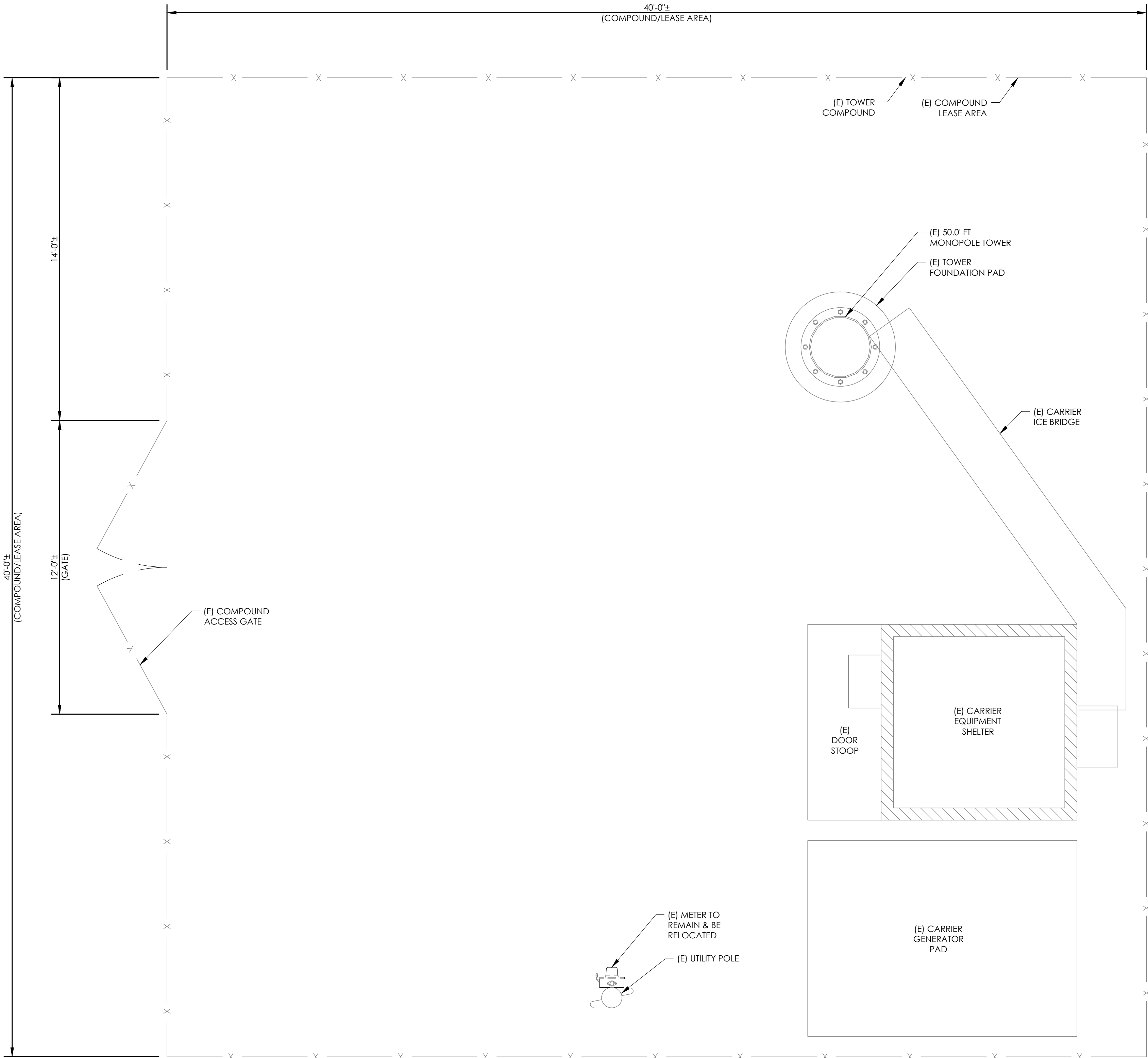
SHEET DESCRIPTION:

OVERALL PROPERTY
PLAN

SHEET NUMBER:

Z-1

SITE PLAN DISCLAIMER:
PROPERTY LINES AND STRUCTURES HAVE BEEN DIGITIZED FROM PREVIOUS PLAN SETS OR FROM ASSESSORS MAPS. PM&A HAS NOT COMPLETED A SITE SURVEY AND THEREFORE MAKES NO CLAIMS AS TO THE ACCURACY OF INFORMATION DEPICTED ON THIS SHEET. CONTRACTOR SHALL FIELD VERIFY SITE PLAN & EQUIPMENT SHOWN AGAINST PRESENT FIELD CONDITIONS. IF PLANS DO NOT MATCH UP WITH SITE CONDITION AT TIME OF CONSTRUCTION, CONTACT T-MOBILE CM.



PLANS PREPARED FOR:
T-Mobile
1200 CONCORD AVENUE SUITE 500
CONCORD CA 94520

PLANS PREPARED BY:
PM&A
P. MARSHALL & ASSOCIATES
6801 PORTWEST DR., SUITE 100
HOUSTON, TX 77024

OEM:
NETWORK CONNEX

MLA PARTNER:

ENGINEERING SEAL:
ISSUED FOR REVIEW

DRAWING NOTICE:
THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF **T-MOBILE** AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF **T-MOBILE**.

REVISIONS:	DESCRIPTION	DATE	BY	REV
	PRELIMINARY	03/07/2025	DAD	A
	PRELIMINARY	05/14/2025	SM	B
	PRELIMINARY	06/06/2025	SM	C

SITE NAME:
AT&T: KING CITY

SITE NUMBER:
SFL0050A

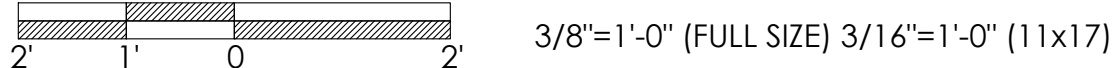
SITE ADDRESS:
**51950 PINE CANYON RD
KING CITY, CA 93930**

PM&A PROJECT:
25TMO_08N-004

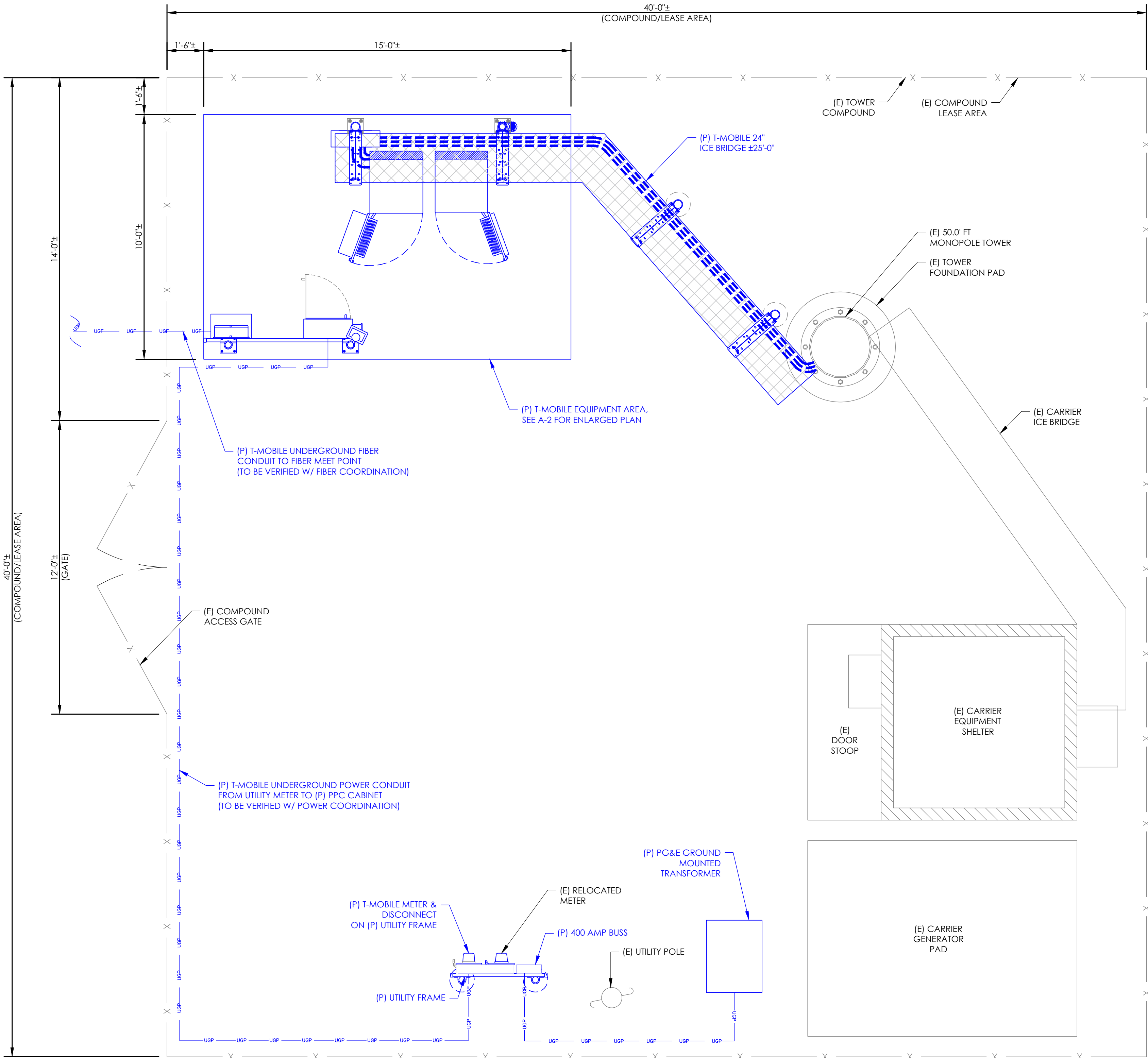
SHEET DESCRIPTION:
OVERALL SITE PLAN

SHEET NUMBER:
A-1

EXISTING OVERALL SITE PLAN



SITE PLAN DISCLAIMER:
PROPERTY LINES AND STRUCTURES HAVE BEEN DIGITIZED FROM PREVIOUS PLAN SETS OR FROM ASSESSORS MAPS. PM&A HAS NOT COMPLETED A SITE SURVEY AND THEREFORE MAKES NO CLAIMS AS TO THE ACCURACY OF INFORMATION DEPICTED ON THIS SHEET. CONTRACTOR SHALL FIELD VERIFY SITE PLAN & EQUIPMENT SHOWN AGAINST PRESENT FIELD CONDITIONS. IF PLANS DO NOT MATCH UP WITH SITE CONDITION AT TIME OF CONSTRUCTION, CONTACT T-MOBILE CM.



PLANS PREPARED FOR:
T-Mobile
1200 CONCORD AVENUE SUITE 500
CONCORD CA 94520

PLANS PREPARED BY:
PM&A
P. MARSHALL & ASSOCIATES
6801 PORTWEST DR., SUITE 100
HOUSTON, TX 77024

OEM:
NETWORK CONNEX

MLA PARTNER:

ENGINEERING SEAL:
ISSUED FOR REVIEW

DRAWING NOTICE:
THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF **T-MOBILE** AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF **T-MOBILE**.

REVISIONS:	DESCRIPTION	DATE	BY	REV
	PRELIMINARY	03/07/2025	DAD	A
	PRELIMINARY	05/14/2025	SM	B
	PRELIMINARY	06/06/2025	SM	C

SITE NAME:
AT&T: KING CITY

SITE NUMBER:
SFL0050A

SITE ADDRESS:
**51950 PINE CANYON RD
KING CITY, CA 93930**

PM&A PROJECT:
25TMO_08N-004

SHEET DESCRIPTION:
OVERALL SITE PLAN

SHEET NUMBER:
A-2

PROPOSED OVERALL SITE PLAN



SITE PLAN DISCLAIMER:

PROPERTY LINES AND STRUCTURES HAVE BEEN DIGITIZED FROM PREVIOUS PLANS/SETS OR FROM ASSESSORS MAPS. PM&A HAS NOT COMPLETED A SITE SURVEY AND THEREFORE MAKES NO CLAIMS AS TO THE ACCURACY OF INFORMATION DEPICTED ON THIS SHEET. CONTRACTOR SHALL FIELD VERIFY SITE PLAN & EQUIPMENT SHOWN AGAINST PRESENT FIELD CONDITIONS. IF PLANS DO NOT MATCH UP WITH SITE CONDITION AT TIME OF CONSTRUCTION, CONTACT T-MOBILE CM.

GROUND SCOPE OF WORK:

- INSTALL (1) 15'-0"x10'-0" CONCRETE PAD.
- INSTALL (1) 10'-0"x15'-0" CONCRETE EQUIPMENT PAD.
- INSTALL (1) 6160 CABINET W/ INTERNAL BASEBANDS PER RFDS: (2) RP 6651 & (1) CSR IXRE V23.
- INSTALL (1) B160 BATTERY CABINET W/ (4) BATTERY STRINGS.
- INSTALL (1) UTILITY FRAME W/; (1) 200A PPC W/ CAMLOK, (1) METER/DISCONNECT, (1) CIENA, (1) TELCO BOX, LED LIGHT W/ TIMER.
- INSTALL (2) HOFFMAN HCS CABLE & MW CABLES WINDER/SKACK CAN, P/N: A242408LP, MOUNTED ON (N) ICE BRIDGE POST.
- INSTALL (1) 24" WIDE ICE BRIDGE & (1) GPS ANTENNA.
- INSTALL GROUND RING W/ TEST WELLS, TRENCH IN POWER & FIBER, PROVIDE ELECTRICIAN, PROVIDE PRIVATE LOCATES, SITE SIGNAGE.
- INSTALL (1) 2" RIGID CONDUIT FROM WINDER BOX TO TMO CABINET.

PLANS PREPARED FOR:

T-Mobile
1200 CONCORD AVENUE, SUITE 500
CONCORD CA 94520

PLANS PREPARED BY:

PM&A
P. MARSHALL & ASSOCIATES

6801 PORTWEST DR., SUITE 100
HOUSTON, TX 77024

OEM:

**NETWORK
CONNEX**

MLA PARTNER:

ENGINEERING SEAL:

**ISSUED
FOR
REVIEW**

DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF **T-MOBILE** AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF **T-MOBILE**.

REVISIONS:

DESCRIPTION	DATE	BY	REV
PRELIMINARY	03/07/2025	DAD	A
PRELIMINARY	05/14/2025	SM	B
PRELIMINARY	06/06/2025	SM	C

SITE NAME:

AT&T: KING CITY

SITE NUMBER:

SFL0050A

SITE ADDRESS:

51950 PINE CANYON RD
KING CITY, CA 93930

PM&A PROJECT:

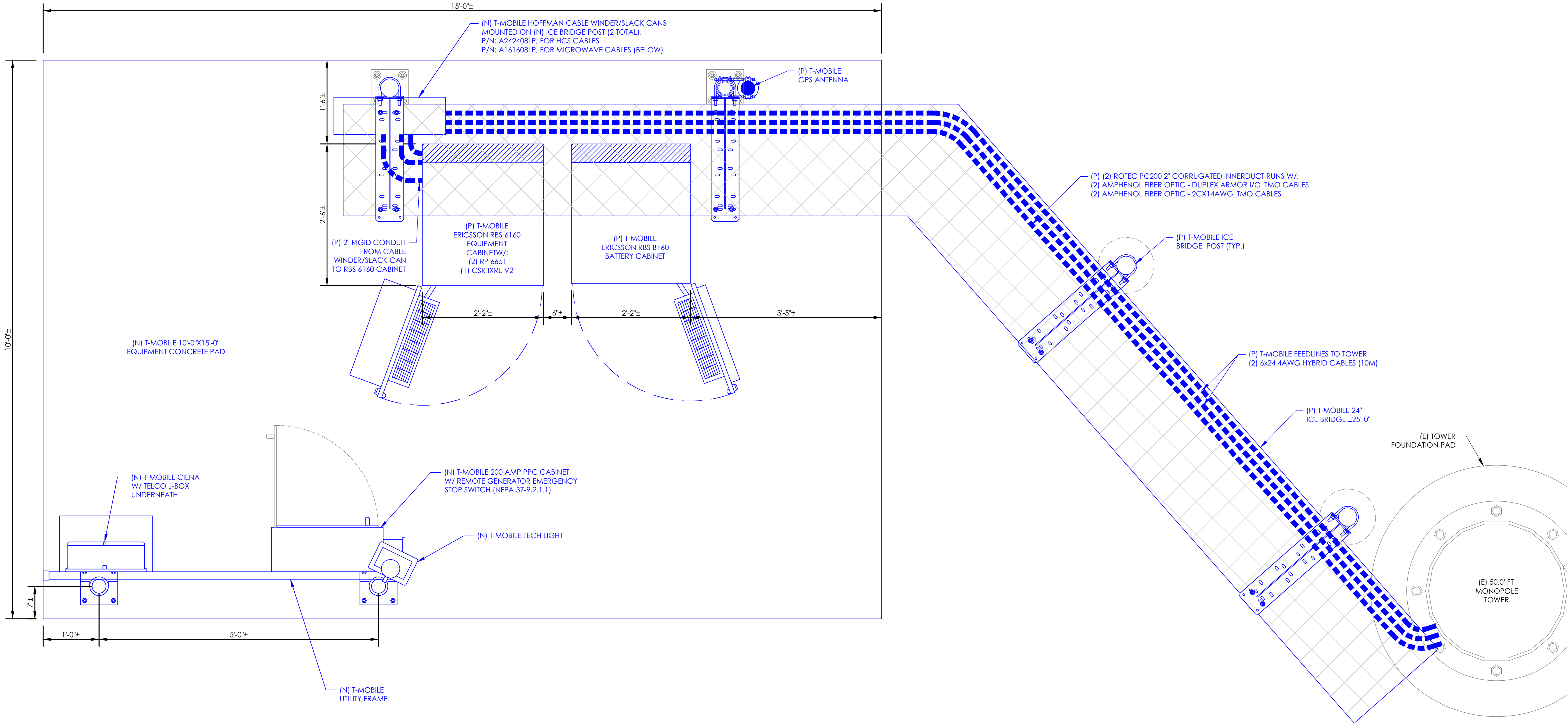
25TMO_08N-004

SHEET DESCRIPTION:

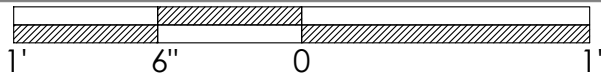
ENLARGED
EQUIPMENT PLAN

SHEET NUMBER:

A-3



PROPOSED ENLARGED EQUIPMENT PLAN



1"=1'-0" (FULL SIZE)
1/2"=1'-0" (11x17)

SITE PLAN DISCLAIMER:

PROPERTY LINES AND STRUCTURES HAVE BEEN DIGITIZED FROM PREVIOUS PLAN SETS OR FROM ASSESSORS MAPS. PM&A HAS NOT COMPLETED A SITE SURVEY AND THEREFORE MAKES NO CLAIMS AS TO THE ACCURACY OF INFORMATION DEPICTED ON THIS SHEET. CONTRACTOR SHALL FIELD VERIFY SITE PLAN & EQUIPMENT SHOWN AGAINST PRESENT FIELD CONDITIONS. IF PLANS DO NOT MATCH UP WITH SITE CONDITION AT TIME OF CONSTRUCTION, CONTACT T-MOBILE CM.

STRUCTURAL ANALYSIS NOTES:

- THE DESIGN DEPICTED IN THESE DRAWINGS IS VALID WHEN ACCOMPANIED BY A CORRESPONDING PASSING STRUCTURAL ANALYSIS.
- CONSTRUCTION MANAGER / GENERAL CONTRACTOR SHALL REVIEW THE ANALYSIS FOR ANY CONDITIONS PRIOR TO INSTALLATION AND NOTIFY EOR OF ANY DISCREPANCIES.

T-MOBILE EQUIPMENT

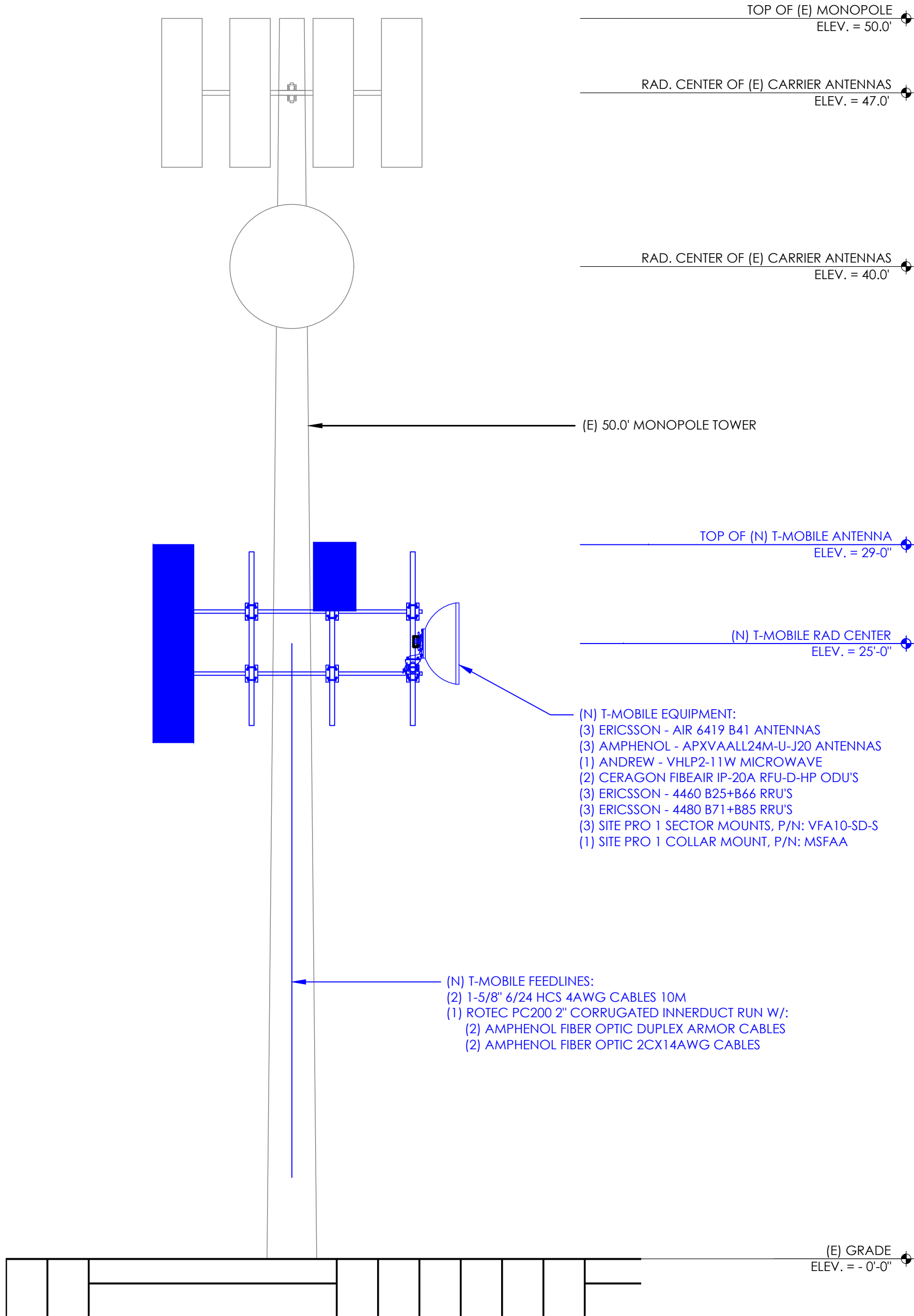
ANTENNA CL: 25'-0" & 27'-6"
MOUNT CL: 25'-0"

ANY AND ALL TOWER MOUNTED EQUIPMENT MUST NOT TRAP OR INTERFERE W/ EXISTING SAFETY CLIMB

REFER TO TOWER STRUCTURAL ANALYSIS FOR PROPOSED ANTENNA & CABLE LOADING DETAILS. ON-SITE CONDITIONS SHALL NOT EXCEED ANALYSIS. G.C. TO NOTIFY ENGINEER OF RECORD OF ALL ON-SITE DISCREPANCIES PRIOR TO COMMENCEMENT OF WORK.

INSTALLATION NOTES:

- PLEASE MAKE SURE NO RUST ON COMPONENTS AND NO LOOSE CONNECTIONS.
- ENSURE THERE ARE NO PIM ISSUES DURING INSTALLATION.
- ANTENNAS CAN'T SHOOT INTO METAL, OTHER OPERATOR ANTENNAS, ANYTHING THAT CAN CAUSE PIM, ETC.
- NO ANTENNA SHADOWING. ALL ANTENNAS ARE TO BE CO-PLANAR.
- GC TO INSTALL CONCEALFAB PIM SHIELD KIT.



PROPOSED TOWER ELEVATION 1

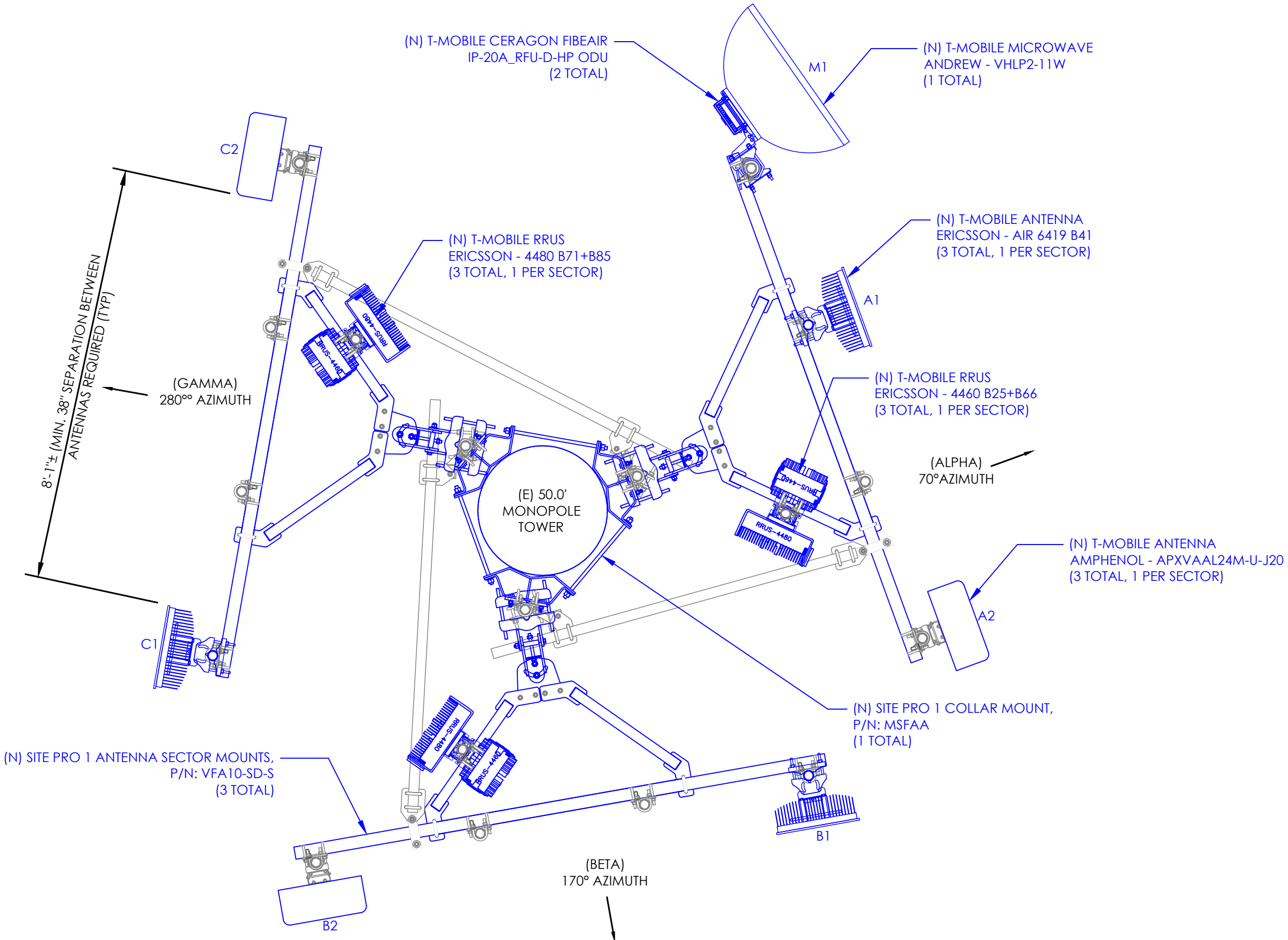


PROPOSED ANTENNA SCHEDULE

SECTOR	POS.	RAD CENTER	AZIMUTH	TECHNOLOGY	ANTENNA MANUFACTURER	ANTENNA MODEL	MECH. TILT	ELECT. TILT	TOWER MOUNTED EQUIPMENT	FEEDLINE TYPE
ALPHA	A1	27'-6"	70°	N2500	ERICSSON	AIR 6419 B41	0°	0°	-	SHARED HCS
ALPHA	A2	25'-0"	70°	N600/L700 N2100/L2100/N1900/L1900	RFS	APXVAALL24M-U-J20	0°	0°	(1) 4480 B71+B85 (1) 4460 B25+B66	(1) 6/24 HCS 4 AWG 1-5/8" (10M)
ALPHA	M1	25'-0"	55°	-	ANDREW	VHLP2-11W	0°	0°	CERAGON FIBEAIR IP-20A_RFU-D-HP ODU'S	(2) AMPHENOL FIBER OPTIC - DUPLEX ARMOR I/O_TMO (2) AMPHENOL FIBER OPTIC - 2CX14AWG_TMO
BETA	B1	27'-6"	70°	N2500	ERICSSON	AIR 6419 B41	0°	0°	-	SHARED HCS
BETA	B2	25'-0"	70°	N600/L700 N2100/L2100/N1900/L1900	RFS	APXVAALL24M-U-J20	0°	0°	(1) 4480 B71+B85 (1) 4460 B25+B66	(1) 6/24 HCS 4 AWG 1-5/8" (10M)
GAMMA	C1	27'-6"	70°	N2500	ERICSSON	AIR 6419 B41	0°	0°	-	SHARED HCS
GAMMA	C2	25'-0"	70°	N600/L700 N2100/L2100/N1900/L1900	RFS	APXVAALL24M-U-J20	0°	0°	(1) 4480 B71+B85 (1) 4460 B25+B66	SHARED HCS

ANTENNA, MICROWAVE AND CABLE SCHEDULE 2

NOT TO SCALE



PROPOSED ENLARGED ANTENNA & MICROWAVE PLAN 3



PLANS PREPARED FOR:

T-Mobile
1200 CONCORD AVENUE SUITE 500
CONCORD CA 94520

PLANS PREPARED BY:

PM&A
P. MARSHALL & ASSOCIATES

6801 PORTWEST DR., SUITE 100
HOUSTON, TX 77024

OEM:

**NETWORK
CONNEX**

MLA PARTNER:

ENGINEERING SEAL:

**ISSUED
FOR
REVIEW**

DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF **T-Mobile** AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF **T-Mobile**.

REVISIONS:

DESCRIPTION	DATE	BY	REV
PRELIMINARY	03/07/2025	DAD	A
PRELIMINARY	05/14/2025	SM	B
PRELIMINARY	06/06/2025	SM	C

SITE NAME:

AT&T: KING CITY

SITE NUMBER:

SFL0050A

SITE ADDRESS:

51950 PINE CANYON RD
KING CITY, CA 93930

PM&A PROJECT:

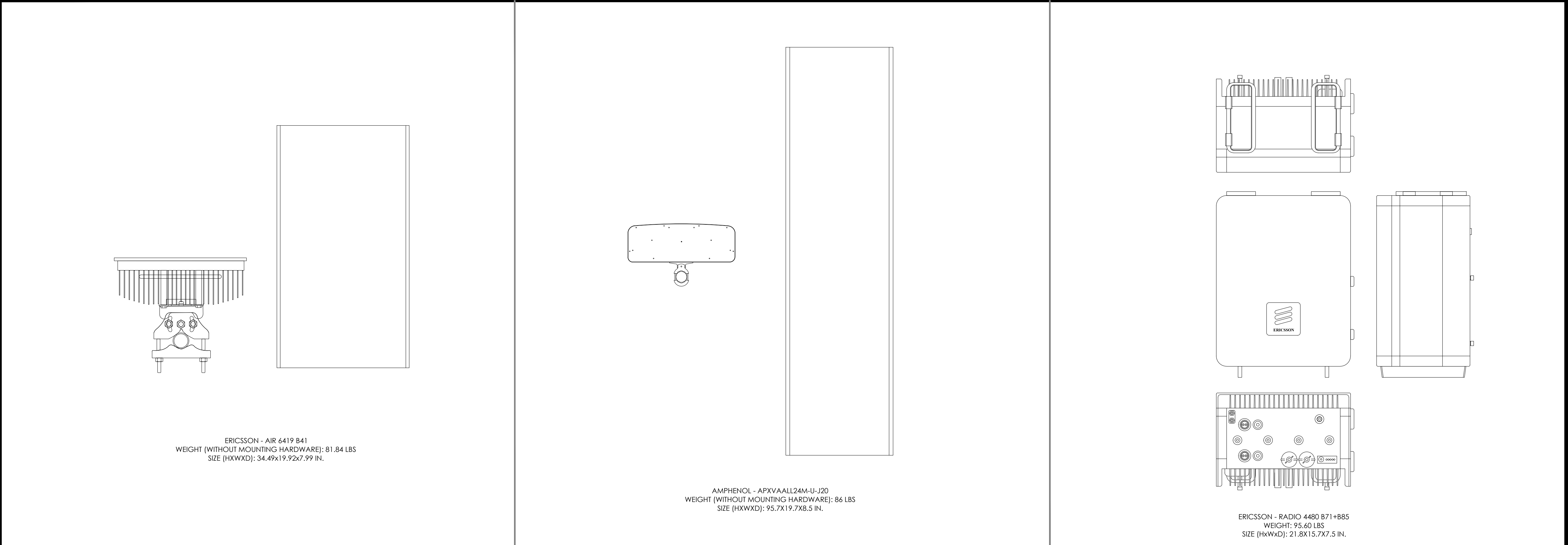
25TMO_08N-004

SHEET DESCRIPTION:

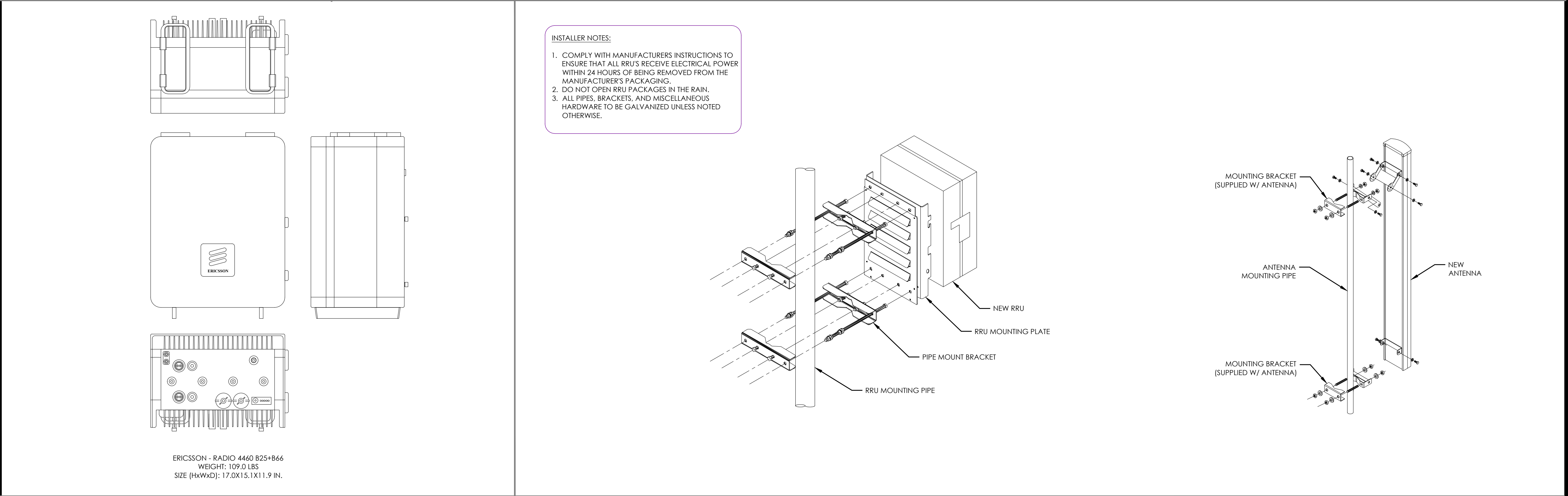
TOWER ELEVATION
& ANTENNA PLAN

SHEET NUMBER:


A-4





ERICSSON – AIR 6419 B41		1	AMPHENOL – APXVAALL24M–U–J20		2	ERICSSON – RADIO 4480 B71+B85		3
NOT TO SCALE			NOT TO SCALE			NOT TO SCALE		



ERICSSON – RADIO 4460 B25+B66		4	ANTENNA & RRU MOUNTING DETAIL		6
NOT TO SCALE			NOT TO SCALE		

PLANS PREPARED FOR:

1200 CONCORD AVENUE SUITE 500
CONCORD CA 94520

PLANS PREPARED BY:

P. MARSHALL & ASSOCIATES
6801 PORTWEST DR., SUITE 100
HOUSTON, TX 77024

OEM:


MLA PARTNER:

ENGINEERING SEAL:

ISSUED
FOR
REVIEW

DRAWING NOTICE:
THESE DOCUMENTS ARE CONFIDENTIAL
AND ARE THE SOLE PROPERTY OF
T-MOBILE AND MAY NOT BE
REPRODUCED, DISSEMINATED OR
REDISTRIBUTED WITHOUT THE EXPRESS
WRITTEN CONSENT OF T-MOBILE.

REVISIONS:

DESCRIPTION	DATE	BY	REV
PRELIMINARY	03/07/2025	DAD	A
PRELIMINARY	05/14/2025	SM	B
PRELIMINARY	06/06/2025	SM	C

SITE NAME:
AT&T: KING CITY

SITE NUMBER:
SFL0050A

SITE ADDRESS:
51950 PINE CANYON RD
KING CITY, CA 93930

PM&A PROJECT:
25TMO_08N-004

SHEET DESCRIPTION:
EQUIPMENT DETAILS

SHEET NUMBER:
A-5

Product Specifications



VHLP2-11W

0.6 m | 2 ft ValuLine® High Performance Low Profile Antenna, single-polarized, 10.125–11.700 GHz



- ValuLine Vision™ VHLP2 and VHLPX2 antennas will be available from Andrew manufacturing plants globally in the coming weeks

CHARACTERISTICS

General Specifications

Antenna Type	VHLP - ValuLine® High Performance Low Profile Antenna, single-polarized
Diameter, nominal	0.6 m 2 ft
Polarization	Single

Electrical Specifications

Beamwidth, Horizontal	3.3 °
Beamwidth, Vertical	3.3 °
Cross Polarization Discrimination (XPD)	30 dB
Electrical Compliance	Brazil Anatel Class 2 ETSI 302 217 Class 3 US FCC Part 101A @ 10.55 – 10.7 GHz US FCC Part 101B @ 10.7–11.7 GHz
Front-to-Back Ratio	60 dB
Gain, Low Band	33.8 dBi
Gain, Mid Band	34.5 dBi
Gain, Top Band	35.2 dBi
Operating Frequency Band	10.125 – 11.700 GHz
Radiation Pattern Envelope Reference (RPE)	7200 7201
Return Loss	17.7 dB
VSWR	1.30

Mechanical Specifications

Fine Azimuth Adjustment	±15°
Fine Elevation Adjustment	±15°
Mounting Pipe Diameter	48 mm–115 mm 1.9 in–4.5 in
Net Weight	11 kg 25 lb

www.commscope.com/andrew

©2011 CommScope, Inc. All rights reserved.
All trademarks identified by ® or ™ are registered trademarks or trademarks, respectively, of CommScope. All specifications are subject to change.
See www.commscope.com/andrew for the most current information.

page 1 of 5
4/30/2011

Product Specifications



VHLP2-11W

Side Struts, Included	0
Side Struts, Optional	0
Wind Velocity Operational	180 km/h 112 mph
Wind Velocity Survival Rating	250 km/h 155 mph

Wind Forces At Wind Velocity Survival Rating

Axial Force (FA)	1272 N 286 lbf
Side Force (FS)	630 N 142 lbf
Twisting Moment (MT)	473 N•m
Weight with 1/2 in (12 mm) Radial Ice	17 kg 37 lb
Zcg with 1/2 in (12 mm) Radial Ice	162 mm 6 in
Zcg without Ice	157 mm 6 in

www.commscope.com/andrew

©2011 CommScope, Inc. All rights reserved.
All trademarks identified by ® or ™ are registered trademarks or trademarks, respectively, of CommScope. All specifications are subject to change.
See www.commscope.com/andrew for the most current information.

page 2 of 5
4/30/2011

PLANS PREPARED FOR:

T-Mobile

1200 CONCORD AVENUE SUITE 500
CONCORD CA 94520

PLANS PREPARED BY:

PM&A

P. MARSHALL & ASSOCIATES
6801 PORTWEST DR., SUITE 100
HOUSTON, TX 77024

OEM:

NETWORK
CONNEX

MLA PARTNER:

ENGINEERING SEAL:

ISSUED
FOR
REVIEW

DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL
AND ARE THE SOLE PROPERTY OF
T-MOBILE AND MAY NOT BE
REPRODUCED, DISSEMINATED OR
REDISTRIBUTED WITHOUT THE EXPRESS
WRITTEN CONSENT OF T-MOBILE.

REVISIONS:

DESCRIPTION	DATE	BY	REV
PRELIMINARY	03/07/2025	DAD	A
PRELIMINARY	05/14/2025	SM	B
PRELIMINARY	06/06/2025	SM	C

SITE NAME:

AT&T: KING CITY

SITE NUMBER:

SFL0050A

SITE ADDRESS:

51950 PINE CANYON RD
KING CITY, CA 93930

PM&A PROJECT:

25TMO_08N-004

SHEET DESCRIPTION:

EQUIPMENT DETAILS

SHEET NUMBER:

A-6

Ceragon RFU-D & RFU-D-HP ODU Specs

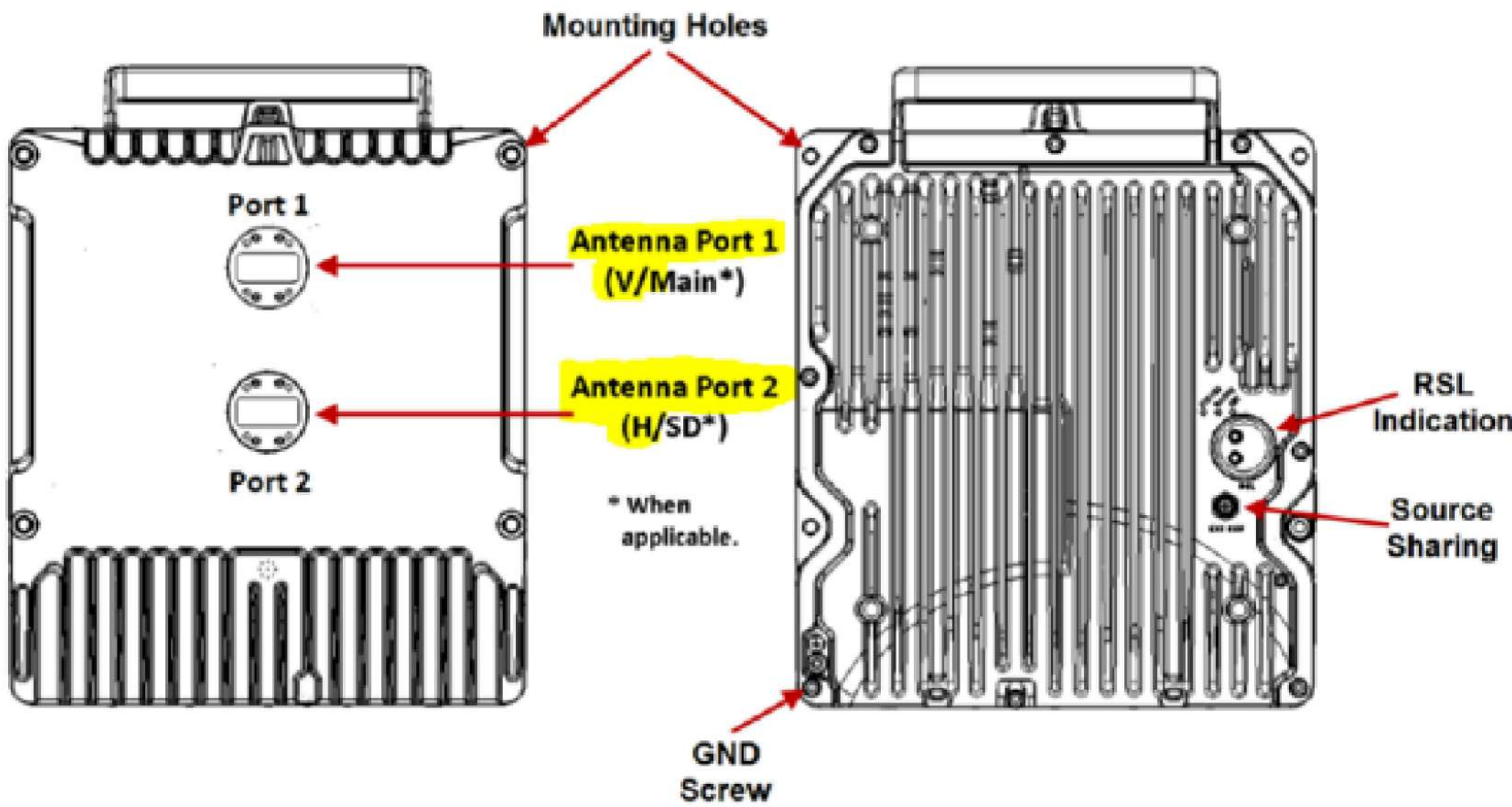


Table 178: RFU-D Mechanical Specifications (including diplexer unit)

RFU-D Dimensions	Height: 9.05 inches
	Width: 9.17 inches
	Depth: 3.85 inches
	Weight: 14.33 lbs.

Table 179: RFU-D-HP Mechanical Specifications (including diplexer or OCU unit)

RFU-D-HP Dimensions	Height: 12.56 inches
	Width: 11.26 inches
	Depth: 4.21 inches
	Weight: 26.5 lbs.

PLANS PREPARED FOR: **T-Mobile**
1200 CONCORD AVENUE, SUITE 500
CONCORD, CA 94520

PLANS PREPARED BY: **PM&A**
P. MARSHALL & ASSOCIATES
6801 PORTWEST DR., SUITE 100
HOUSTON, TX 77024

OEM: **NETWORK CONNEX**

MLA PARTNER:

ENGINEERING SEAL:
ISSUED FOR REVIEW

DRAWING NOTICE:
THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF T-MOBILE AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF T-MOBILE.

REVISIONS:	DESCRIPTION	DATE	BY	REV
	PRELIMINARY	03/07/2025	DAD	A
	PRELIMINARY	05/14/2025	SM	B
	PRELIMINARY	06/06/2025	SM	C

SITE NAME: **AT&T: KING CITY**

SITE NUMBER: **SFL0050A**

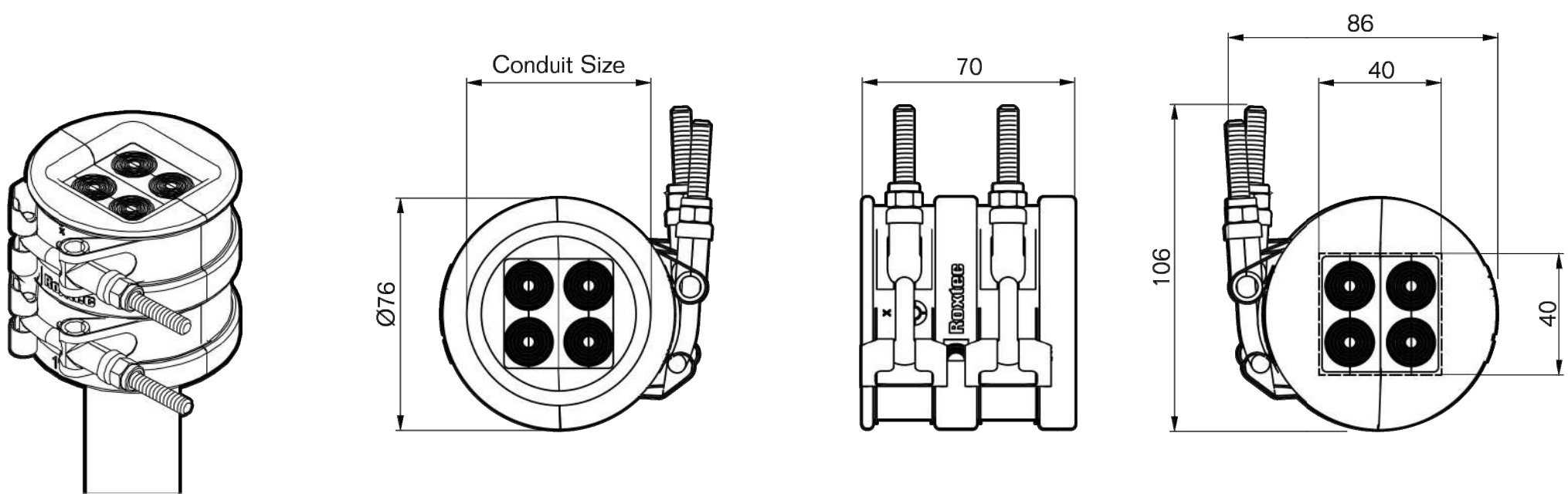
SITE ADDRESS: **51950 PINE CANYON RD
KING CITY, CA 93930**

PM&A PROJECT: **25TMO_08N-004**

SHEET DESCRIPTION: **EQUIPMENT DETAILS**

SHEET NUMBER: **A-7**

Roxtec Conduit Seal™ 1" and 2"



Kit	Multidiameter™ range and number of cables			Weight (kg) (lb)		Conduit Size		Art No.
	0+3.5-10.5 mm 0+0.138-0.413" (GM 13.3w40)	0+3.5-16.5 mm 0+0.138-0.650" (GM 20w40)	0+9.5-32.5 mm 0+0.374-1.280" (GM 40 10-32)			NPS	DN	
Conduit Seal 1"/1			1 cable	0.519	1.14	1"	25	102617
Conduit Seal 1"/4		4 cables		0.519	1.14	1"	25	102618
Conduit Seal 1"/9	9 cables			0.519	1.14	1"	25	102619
Conduit Seal 2"/1			1 cable	0.411	0.91	2"	50	102620
Conduit Seal 2"/4		4 cables		0.411	0.91	2"	50	102621
Conduit Seal 2"/9	9 cables			0.411	0.91	2"	50	102622

SHE2013001101

ver. 1.1/EN/13/9/atsan

Roxtec® and Multidiameter® are registered trademarks of Roxtec in Sweden and/or other countries.



Roxtec Conduit Seal™ 1" and 2"

– CABLE ENTRY SEALS FOR CONDUITS AND HYBRID CABLES

Quick installation

The Roxtec Conduit Seal™ is a light-weight cable entry solution developed for the telecom industry and the increasing use of fiber. It is quick and easy to install, and it allows the use of pre-terminated cables for site equipment to cabinets as well as at the top of towers.

Certified protection

The product is made to seal the conduit in one end and the fiber bundle in the other. It provides excellent water-tightness eliminating the frequent risk

of damages to the system because of humidity or ice. The solution is also perfect for sealing various hybrid cables.

Supplied as ready-made kit

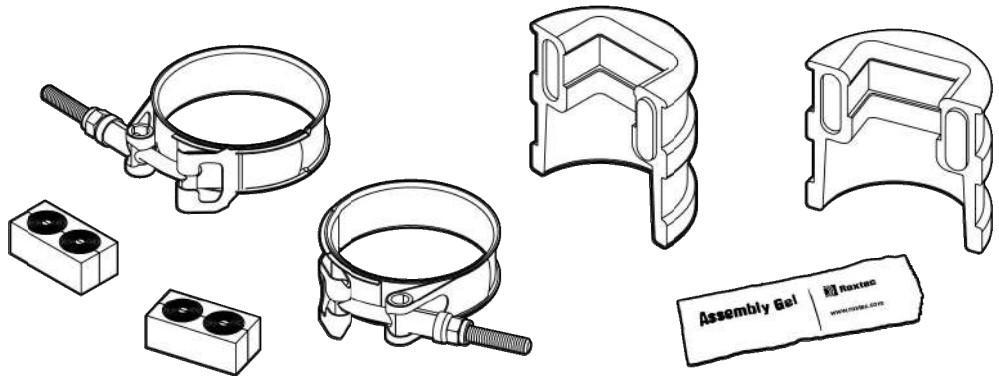
The Roxtec Conduit Seal™ is supplied as a kit, including two stainless steel clamps and Roxtec sealing modules which are adaptable to cables of different sizes. This feature simplifies everything from design and planning through to purchasing, installation and logistics.

BENEFITS

- Easy to use
- Light-weight
- Approved for IP 55
- UL/NEMA 3 approved
- Multidiameter™ by Roxtec – adapts through modules with removable layers

Each Roxtec Conduit Seal™ kit consists of:

- Roxtec Conduit Seal™ frame
- Roxtec GM modules
- Two clamps
- Assembly gel bag 10 ml



PLANS PREPARED FOR:

T-Mobile
1200 CONCORD AVENUE SUITE 500
CONCORD CA 94520

PLANS PREPARED BY:

PM&A
P. MARSHALL & ASSOCIATES

6801 PORTWEST DR., SUITE 100
HOUSTON, TX 77024

OEM:

NETWORK
CONNEX

MLA PARTNER:

ENGINEERING SEAL:

ISSUED
FOR
REVIEW

DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL
AND ARE THE SOLE PROPERTY OF
T-MOBILE AND MAY NOT BE
REPRODUCED, DISSEMINATED OR
REDISTRIBUTED WITHOUT THE EXPRESS
WRITTEN CONSENT OF T-MOBILE.

REVISIONS:

DESCRIPTION	DATE	BY	REV
PRELIMINARY	03/07/2025	DAD	A
PRELIMINARY	05/14/2025	SM	B
PRELIMINARY	06/06/2025	SM	C

SITE NAME:

AT&T: KING CITY

SITE NUMBER:

SFL0050A

SITE ADDRESS:

51950 PINE CANYON RD
KING CITY, CA 93930

PM&A PROJECT:





25TMO_08N-004

SHEET DESCRIPTION:


EQUIPMENT DETAILS

SHEET NUMBER:

A-8


	<div>Specification of Cable</div> <div>2CX14 AWG Cable</div>	Spec No:899 Rev No:0 Date:23/03/2016																																																																																																
<div>Part No:-1-CBL2C14AWGBKXXXM</div> <div>Cable Length In mtrs</div> <div>Cable Description:- 2 Core 14 AWG UV Black</div> <div>Dimensional/Visual</div> <table><thead><tr><th>Parameters</th><th>Unit</th><th>Specification</th></tr></thead><tbody><tr><td colspan="3">Conductor</td></tr><tr><td>Material</td><td>Visual</td><td>Annealed tinned copper</td></tr><tr><td>Dia of each strand</td><td>mm</td><td>0.254 ± 0.005</td></tr><tr><td>Size</td><td>AWG</td><td>14</td></tr><tr><td>No of strands</td><td>No's</td><td>41</td></tr><tr><td colspan="3">Insulation</td></tr><tr><td></td><td></td><td>Cores are labeled as per UL style No.1061</td></tr><tr><td>Material</td><td>Visual</td><td>SR PVC</td></tr><tr><td>Insulation thickness Min. (Nom)</td><td>mm</td><td>0.22</td></tr><tr><td>No of cores</td><td>No's</td><td>2</td></tr><tr><td colspan="3">Sheath</td></tr><tr><td>Material</td><td>Visual</td><td>PVC (AS per UL 1581)</td></tr><tr><td>Thickness (Min.)(Avg).</td><td>mm</td><td>0.76</td></tr><tr><td>Colour</td><td>Visual</td><td>Black</td></tr><tr><td>Outer Dia</td><td>mm</td><td>7±1</td></tr><tr><td>Temperatura Rating</td><td>Deg C</td><td>-40 to + 80</td></tr><tr><td colspan="3">Electrical parameters</td></tr><tr><td>Conductor resistance @20°C</td><td>Ω/km</td><td>8.96</td></tr><tr><td>Temperature</td><td>°C</td><td>80</td></tr><tr><td>Voltage Rating</td><td>V</td><td>300</td></tr><tr><td>UL Style</td><td>Visual</td><td>UL2464</td></tr><tr><td>UL Resistance</td><td>Visual</td><td>Meets UL 758 requirement</td></tr><tr><td>Standard & Reference</td><td>Visual</td><td>UL: 1581, UL:1061</td></tr><tr><td colspan="2">Cable printing</td><td>UL: 2464 Exxxxxx  AWM 2Core x 14AWG I A/B ' 80°C 300 V VW-1 FT-1/FT-2 "SUPPLER NAME"- UV resistant</td></tr><tr><td colspan="3"><div>Colour Code</div><div>Red</div><div>Black</div></td></tr><tr><td colspan="3">Packing bobbin size</td></tr><tr><td>Flange</td><td>CM</td><td>50</td></tr><tr><td>Traverse</td><td>CM</td><td>22</td></tr><tr><td>Barrel</td><td>CM</td><td>22</td></tr><tr><td>Gross weight (approx)</td><td>KG</td><td>25 (for 305 meters), 10 (for 100 meters)</td></tr><tr><td colspan="3"><div>Remarks:- Part Nos Supplied as Bobbins</div><div>1-CBL2C14AWGBK100M :-2 Core 14AWG UV Black 100 mtrs 1-CBL2C14AWGBK305M :-2 Core 14AWG UV Black 305 mtrs</div><div>Reviewed and Approval By:-</div></td></tr></tbody></table>			Parameters	Unit	Specification	Conductor			Material	Visual	Annealed tinned copper	Dia of each strand	mm	0.254 ± 0.005	Size	AWG	14	No of strands	No's	41	Insulation					Cores are labeled as per UL style No.1061	Material	Visual	SR PVC	Insulation thickness Min. (Nom)	mm	0.22	No of cores	No's	2	Sheath			Material	Visual	PVC (AS per UL 1581)	Thickness (Min.)(Avg).	mm	0.76	Colour	Visual	Black	Outer Dia	mm	7±1	Temperatura Rating	Deg C	-40 to + 80	Electrical parameters			Conductor resistance @20°C	Ω/km	8.96	Temperature	°C	80	Voltage Rating	V	300	UL Style	Visual	UL2464	UL Resistance	Visual	Meets UL 758 requirement	Standard & Reference	Visual	UL: 1581, UL:1061	Cable printing		UL: 2464 Exxxxxx  AWM 2Core x 14AWG I A/B ' 80°C 300 V VW-1 FT-1/FT-2 "SUPPLER NAME"- UV resistant	<div>Colour Code</div> <div>Red</div> <div>Black</div>			Packing bobbin size			Flange	CM	50	Traverse	CM	22	Barrel	CM	22	Gross weight (approx)	KG	25 (for 305 meters), 10 (for 100 meters)	<div>Remarks:- Part Nos Supplied as Bobbins</div> <div>1-CBL2C14AWGBK100M :-2 Core 14AWG UV Black 100 mtrs 1-CBL2C14AWGBK305M :-2 Core 14AWG UV Black 305 mtrs</div> <div>Reviewed and Approval By:-</div>		
Parameters	Unit	Specification																																																																																																
Conductor																																																																																																		
Material	Visual	Annealed tinned copper																																																																																																
Dia of each strand	mm	0.254 ± 0.005																																																																																																
Size	AWG	14																																																																																																
No of strands	No's	41																																																																																																
Insulation																																																																																																		
		Cores are labeled as per UL style No.1061																																																																																																
Material	Visual	SR PVC																																																																																																
Insulation thickness Min. (Nom)	mm	0.22																																																																																																
No of cores	No's	2																																																																																																
Sheath																																																																																																		
Material	Visual	PVC (AS per UL 1581)																																																																																																
Thickness (Min.)(Avg).	mm	0.76																																																																																																
Colour	Visual	Black																																																																																																
Outer Dia	mm	7±1																																																																																																
Temperatura Rating	Deg C	-40 to + 80																																																																																																
Electrical parameters																																																																																																		
Conductor resistance @20°C	Ω/km	8.96																																																																																																
Temperature	°C	80																																																																																																
Voltage Rating	V	300																																																																																																
UL Style	Visual	UL2464																																																																																																
UL Resistance	Visual	Meets UL 758 requirement																																																																																																
Standard & Reference	Visual	UL: 1581, UL:1061																																																																																																
Cable printing		UL: 2464 Exxxxxx  AWM 2Core x 14AWG I A/B ' 80°C 300 V VW-1 FT-1/FT-2 "SUPPLER NAME"- UV resistant																																																																																																
<div>Colour Code</div> <div>Red</div> <div>Black</div>																																																																																																		
Packing bobbin size																																																																																																		
Flange	CM	50																																																																																																
Traverse	CM	22																																																																																																
Barrel	CM	22																																																																																																
Gross weight (approx)	KG	25 (for 305 meters), 10 (for 100 meters)																																																																																																
<div>Remarks:- Part Nos Supplied as Bobbins</div> <div>1-CBL2C14AWGBK100M :-2 Core 14AWG UV Black 100 mtrs 1-CBL2C14AWGBK305M :-2 Core 14AWG UV Black 305 mtrs</div> <div>Reviewed and Approval By:-</div>																																																																																																		

PLANS PREPARED FOR:




1200 CONCORD AVENUE SUITE 500
CONCORD CA 94520

PLANS PREPARED BY:



P. MARSHALL & ASSOCIATES
6801 PORTWEST DR., SUITE 100
HOUSTON, TX 77024

OEM:



MLA PARTNER:

ENGINEERING SEAL:

ISSUED
FOR
REVIEW

DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL
AND ARE THE SOLE PROPERTY OF
T-MOBILE AND MAY NOT BE
REPRODUCED, DISSEMINATED OR
REDISTRIBUTED WITHOUT THE EXPRESS
WRITTEN CONSENT OF T-MOBILE.

REVISIONS:

DESCRIPTION	DATE	BY	REV
PRELIMINARY	03/07/2025	DAD	A
PRELIMINARY	05/14/2025	SM	B
PRELIMINARY	06/06/2025	SM	C

SITE NAME:

AT&T: KING CITY

SITE NUMBER:

SFL0050A

SITE ADDRESS:

51950 PINE CANYON RD
KING CITY, CA 93930

PM&A PROJECT:

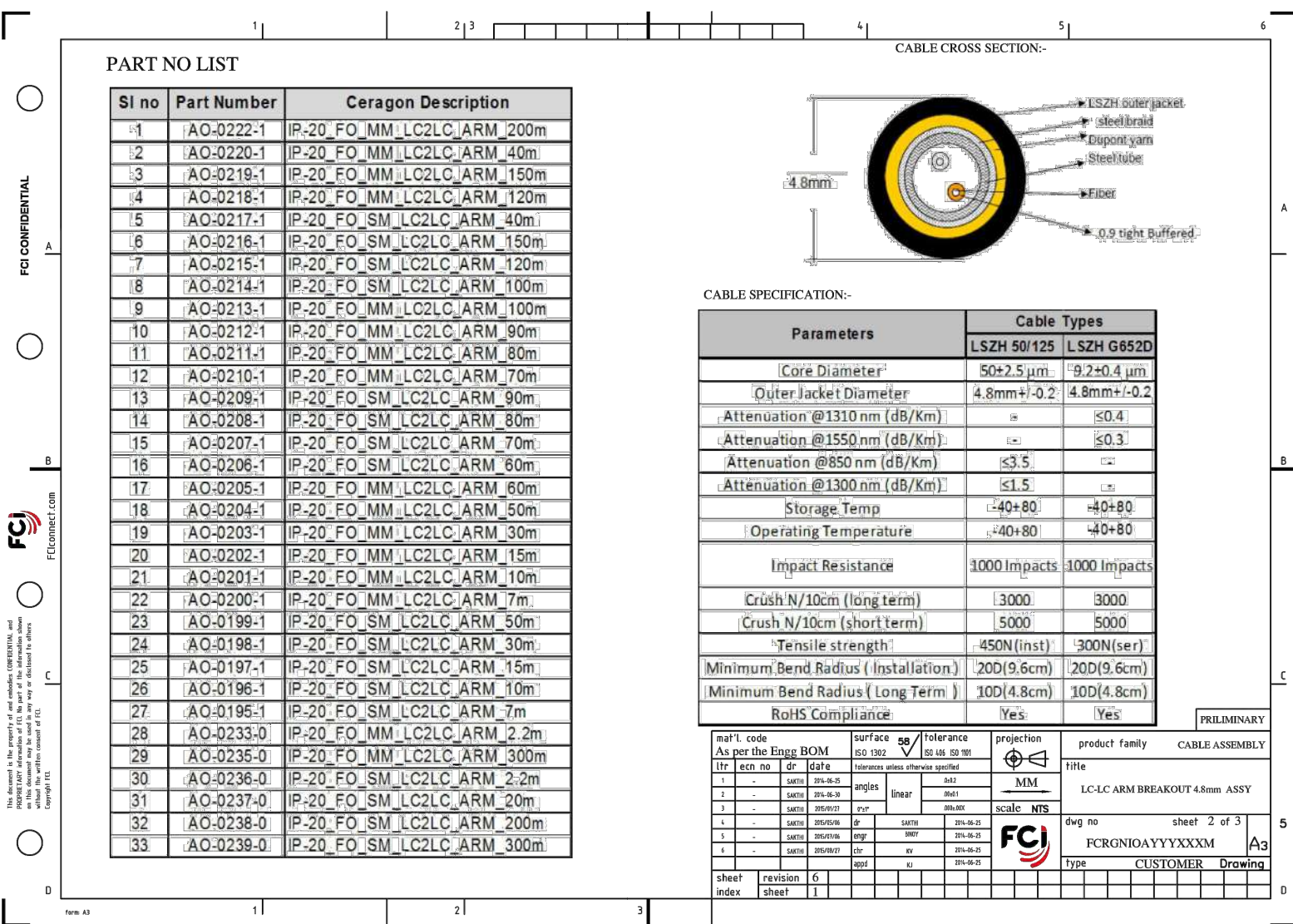
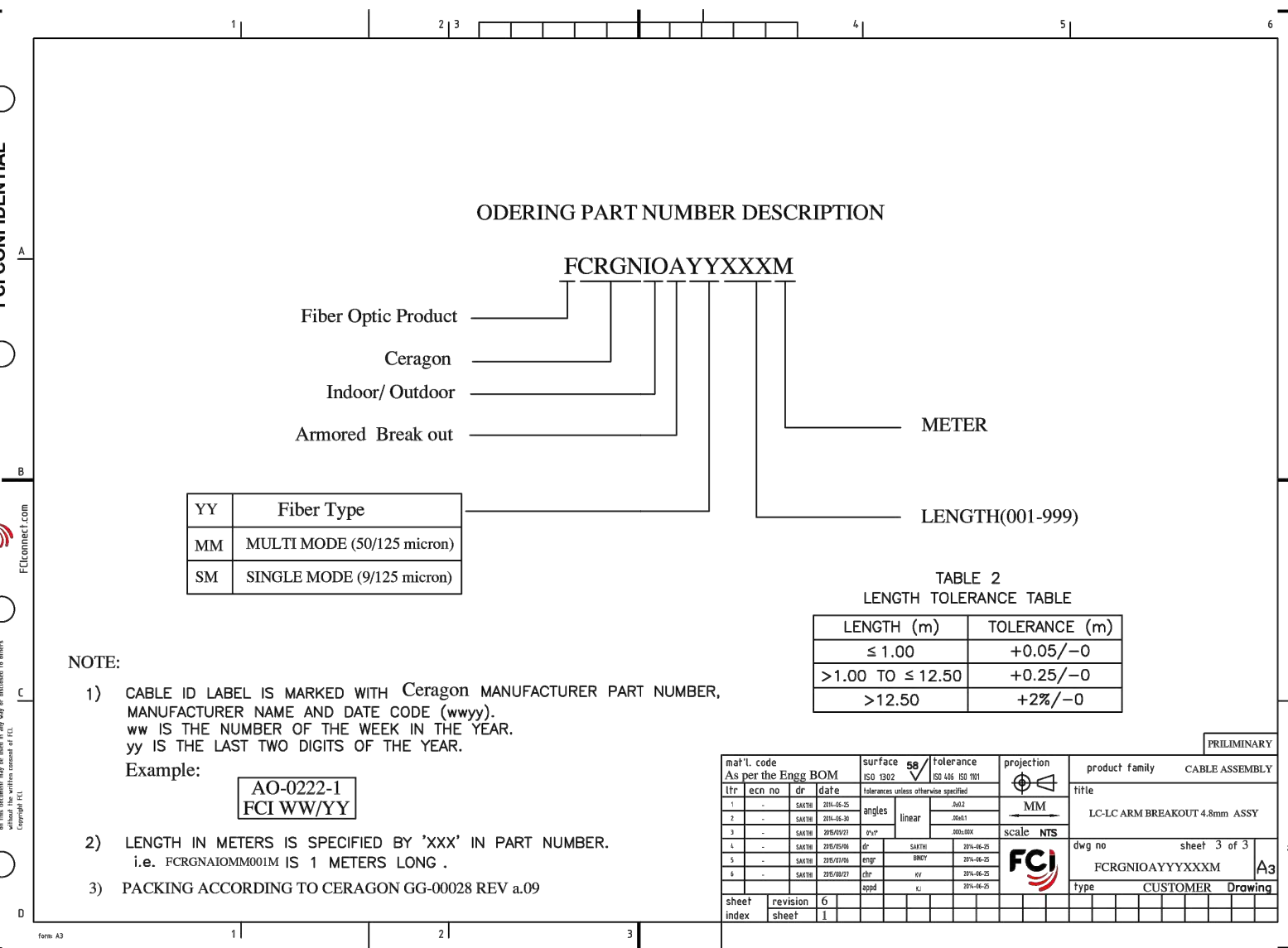
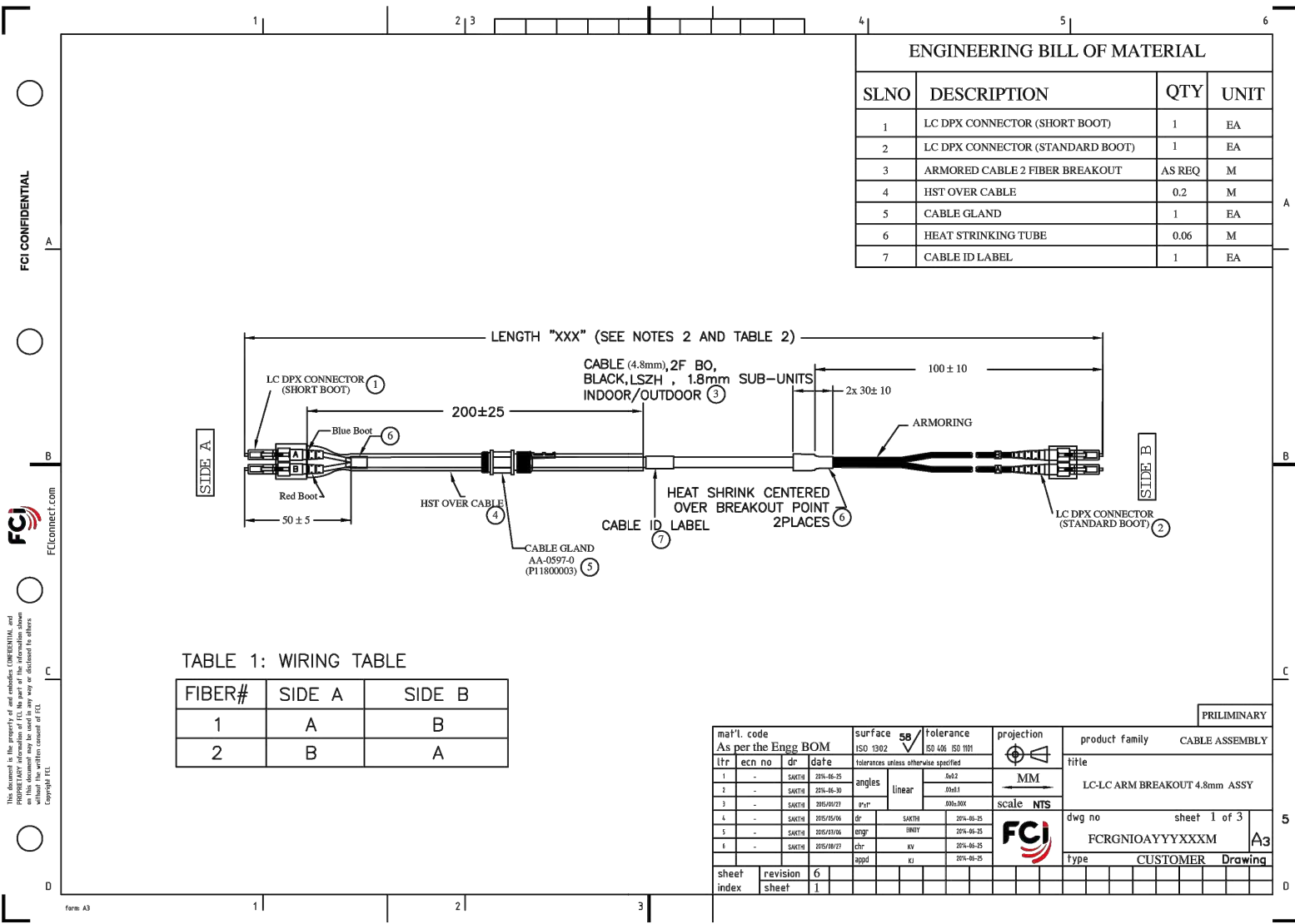
25TMO_08N-004

SHEET DESCRIPTION:

EQUIPMENT DETAILS

SHEET NUMBER:

A-8.1



EQUIPMENT NOTES:
HEIGHTxWIDTHxDEPTH: 63.0" x 26.0" x 34.0"
WEIGHT (EMPTY): 320 LBS
WEIGHT (FULLY LOADED W/ BATTERIES): 1500 LBS

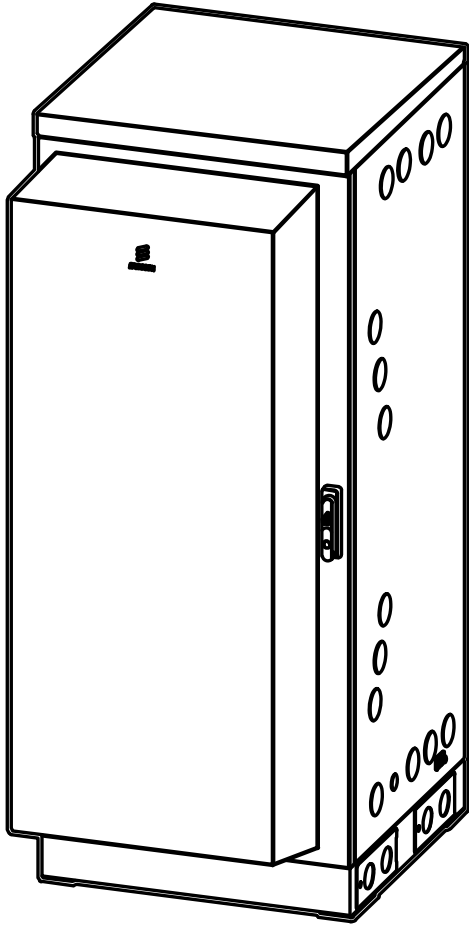
RACK ASSIGNMENT		
RACK	RUSLOT	DESCRIPTION
FULL RACK	1	RECTIFIER SHELF
	2	
	3	
	4	
	5	RECTIFIER
	6	
	7	FIBER BOX
	8	DCDU
	9	CSR/IXR-e
	10	
	11	1ST BASEBAND
	12	2ND BASEBAND
	13	3RD BASEBAND
	14	4TH BASEBAND
	15	5TH BASEBAND
	16	6TH BASEBAND
	17	7TH BASEBAND
	18	8TH BASEBAND
	19	
	20	LEGACY BASEBAND
	21	
	22	PSU 4813
	23	
	24	
	25	

2" KNOCKOUTS WITH LBs FOR ALARM CABLE AND TEMP SENSOR ROUTING. UPPER REAR CENTER WORK BEST FOR THIS INSTALL FOR EASE OF INSTALL AND REPLACEMENT IN THE EVENT OF FAILURE. CONDUIT MUST BE PROPERLY SECURED TO PREVENT DAMAGE TO CABINETS AND OR CABLING

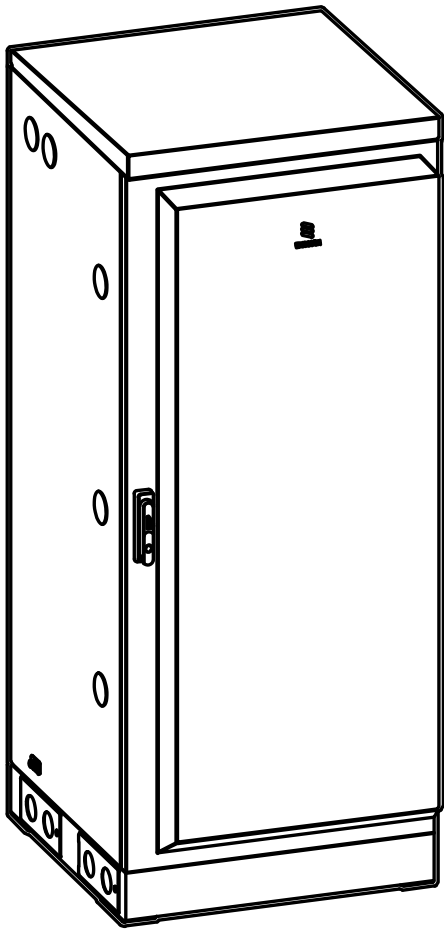
2" KNOCKOUTS WITH RIGID CONDUIT AND LB FOR 3/0 BATTERY CABLE INSTALL, AND AUX POWER CABLE. OUTSIDE KNOCKOUTS WORK BEST FOR EASE OF INSTALL

2" KNOCKOUTS FOR AAV AND FIBER ROUTING BETWEEN MACRO CABINETS ON SITE. LB WITH RIGID CONDUIT IS PREFERRED.

2" KNOCKOUTS AT LOWER REAR OF THE CABINET INTENDED FOR HYBRID/MLE CABLES

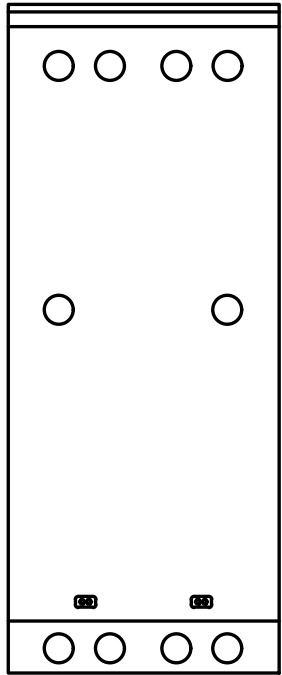


ISO VIEW

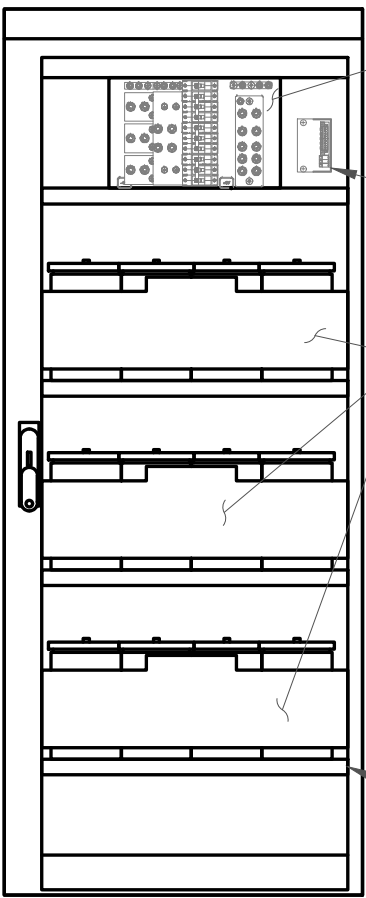


ISO VIEW

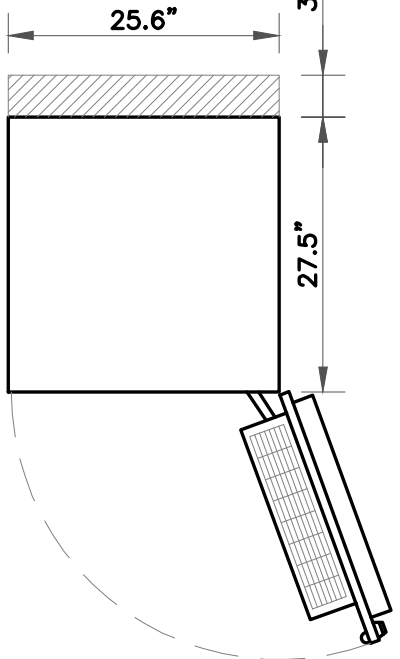
EQUIPMENT NOTES:
HEIGHTxWIDTHxDEPTH: 63.0" x 26.0" x 28.0"
(1600.0mm x 660.0mm x 711.0mm)
WEIGHT (EMPTY): 295 LBS (134 kg)
WEIGHT (FULLY LOADED W/ BATTERIES): 2000 LBS (908 kg)



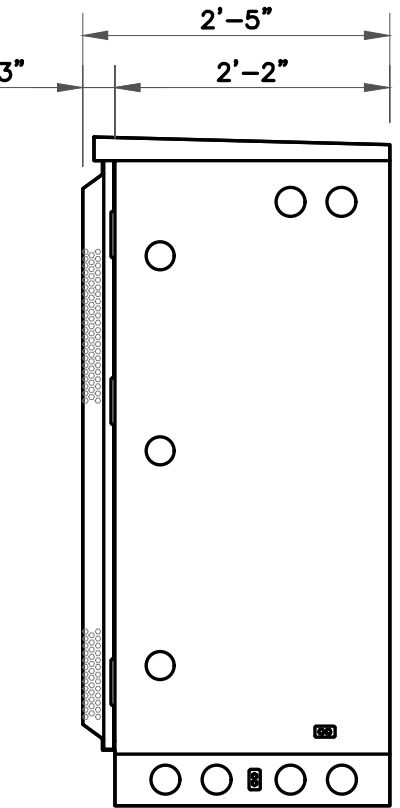
REAR VIEW



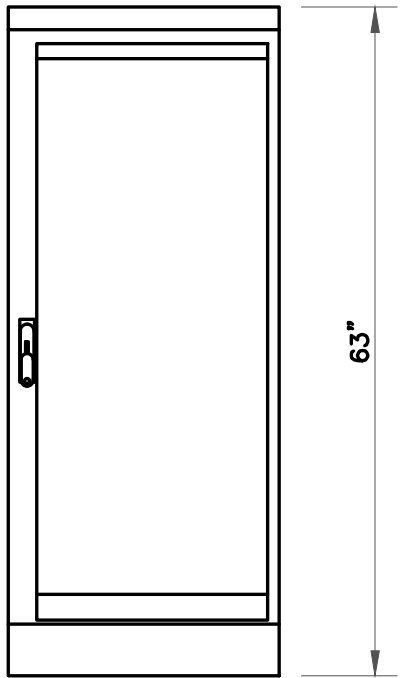
FRONT VIEW OPEN



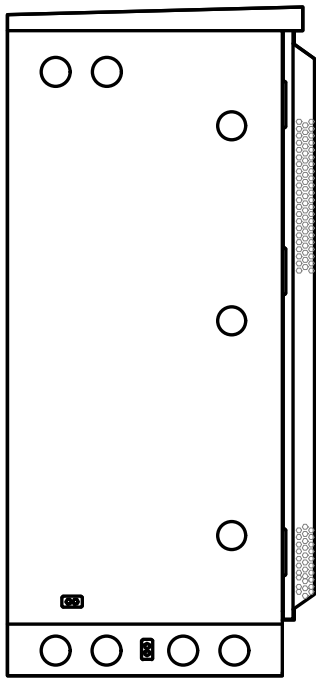
PLAN VIEW



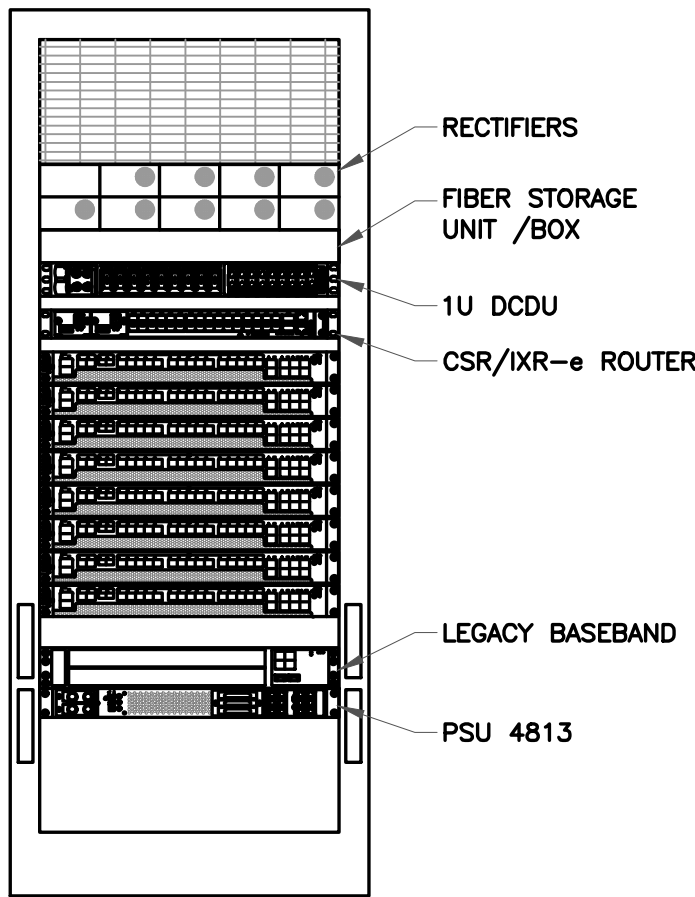
RIGHT VIEW



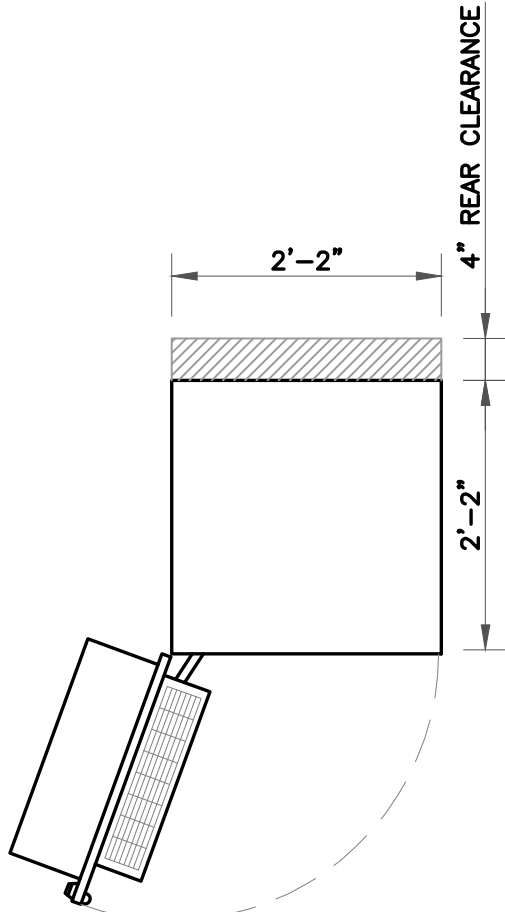
FRONT VIEW



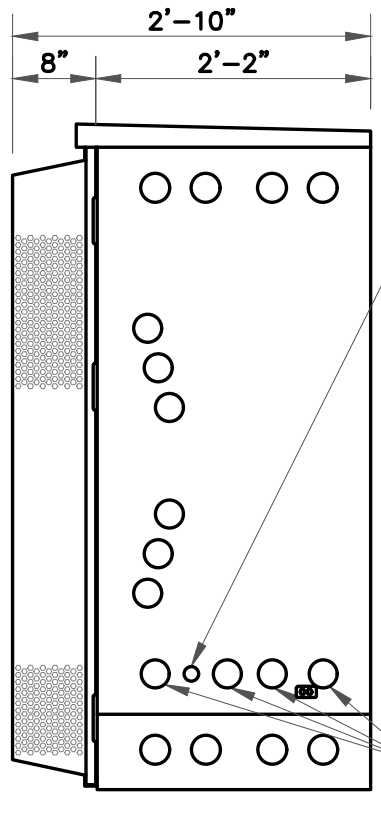
LEFT VIEW



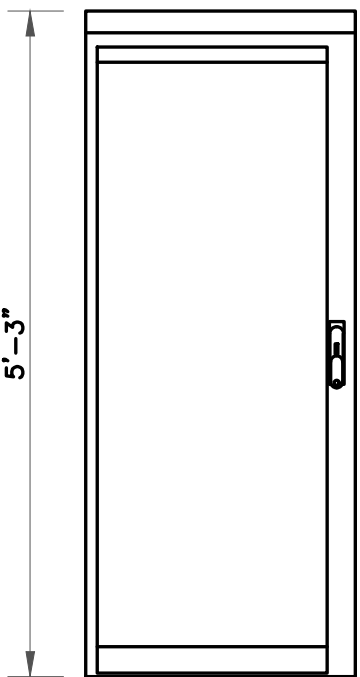
FRONT VIEW OPEN



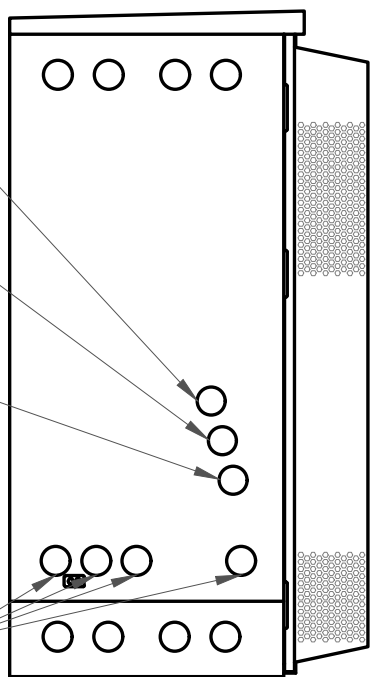
PLAN VIEW



RIGHT VIEW



FRONT VIEW



LEFT VIEW

2" KNOCKOUT, UNUSED ON THIS SITE FOR DEDICATED CIRCUIT TO SERVICE OUTLET

2" KNOCKOUT ON LEFT HAND SIDE OF CABINET USED AC POWER, WITH RIGID CONDUIT AND LR. PENETRATION IS DIRECTLY BELOW ACCU

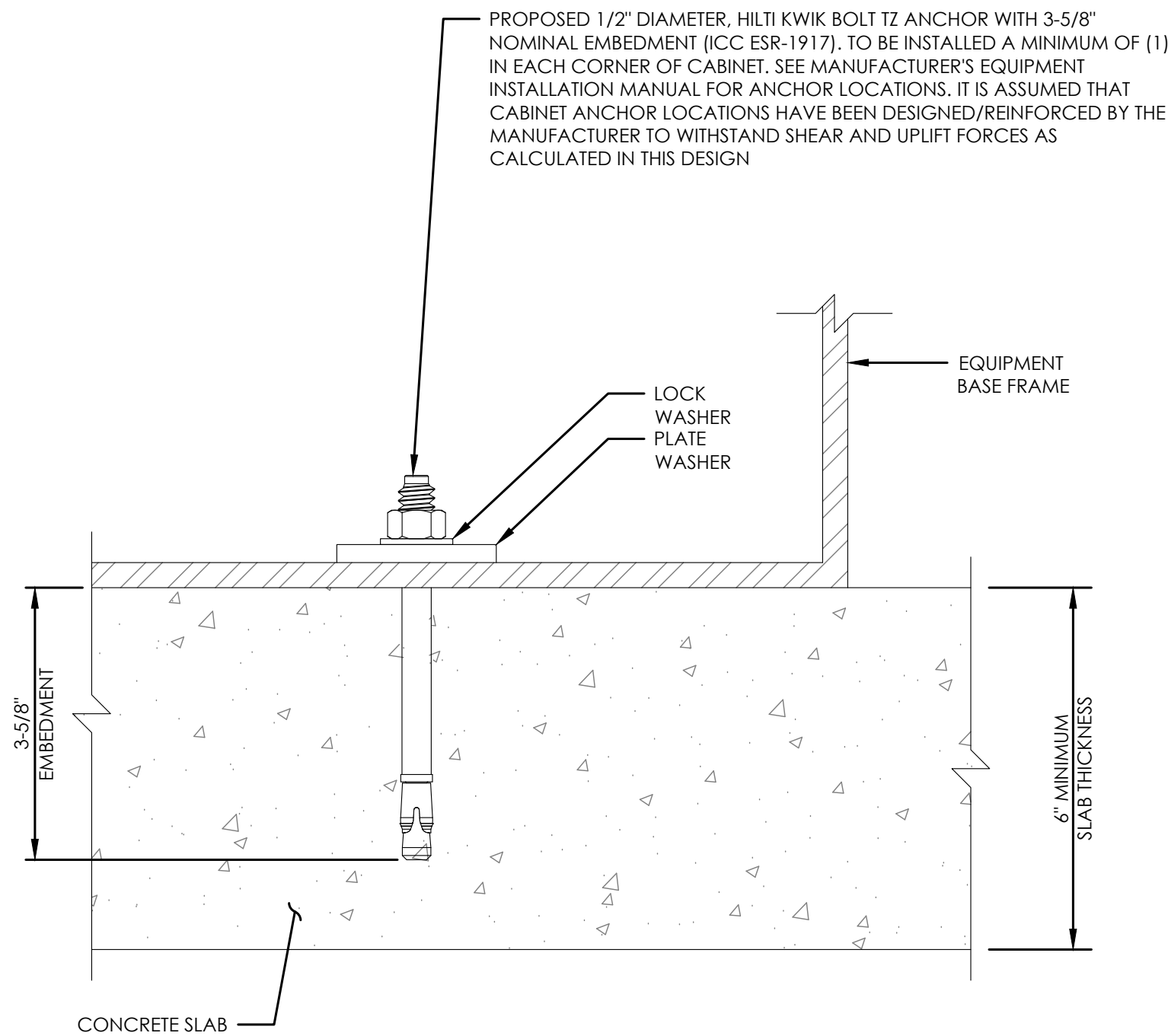
2" KNOCKOUT, UNUSED ON THIS SITE FOR DEDICATED CIRCUIT TO SERVICE OUTLET

2" KNOCKOUT ON LEFT BOTTOM SIDE OF CABINET FOR INTER-BASEBAND CABINET CONNECTING. A RIGID OR FLEXIBLE CONDUIT WITH AN LR WILL BE USED WHEN RUNNING THIS CONDUIT TO THE LEGACY 6131, 6102, ODE OR MUAC CABINET.

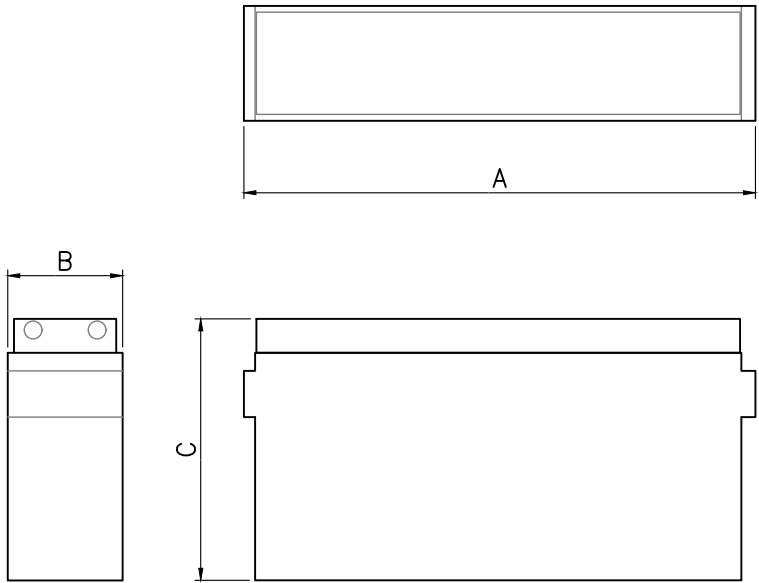
DEDICATED 1" FOR GNSS/GPS KNOCKOUT ON RIGHT HAND SIDE OF THE CABINET. RECOMMEND USING LL, RATHER THAN LB OR 90 DUE TO CLOSE PROXIMITY TO B160 BATTERY CABINET. 4" RIGID OR FLEX CONDUIT MAY BE USED.

UNUSABLE 2" KNOCKOUTS DUE TO CLOSE PROXIMITY TO B160 CABINET

REVISIONS:			
DESCRIPTION	DATE	BY	REV
PRELIMINARY	03/07/2025	DAD	A
PRELIMINARY	05/14/2025	SM	B
PRELIMINARY	06/06/2025	SM	C



NORTHSTAR NSB BATTERY SPECIFICATIONS												
BATTERY MODEL NUMBER	VOLTAGE	CAPACITY (AH)		NOMINAL DIMENSIONS						NOMINAL WEIGHT		
		8 HR CAPACITY TO 1.75 VPC @ 20/25°C (68/77°F)	10 HR CAPACITY TO 1.80 VPC @ 20/25°C (68/77°F)	INCHES			MILLIMETERS					
				A	B	C	A	B	C	LBS	Kg	
NSB 210FT RED	12	200 / 204 AH	204 / 207 AH	22.0	4.96	12.9	558.8	125.98	327.66	141.6	64.22	



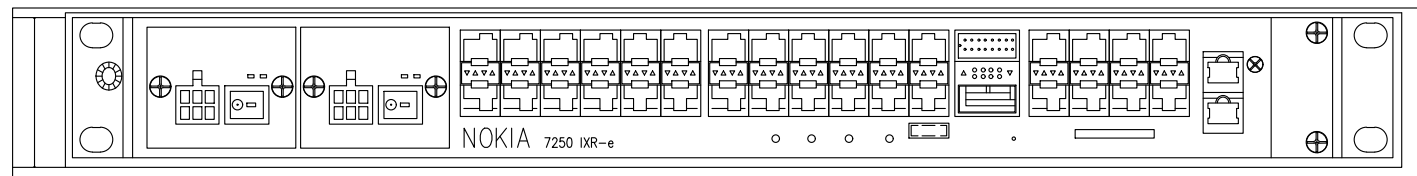
ELECTRICAL DATA		
BATTERY MODEL NUMBER	SHORT CIRCUIT CURRENT	INTERNAL RESISTANCE (mOhms)
NSB 210FT RED	5400 A	2.8 mΩ @25°C (77°F)

FLOAT VOLTAGE
CONSTANT VOLTAGE CHARGING IS RECOMMENDED
RECOMMENDED FLOAT VOLTAGE @ 20/25°C (68/77°F), 2.28 /2.27 VPC

2022 CFC SECTION 1207					
ELECTRICAL ENERGY STORAGE SYSTEM					
1207.1.1 SCOPE:					
ESS HAVING CAPACITIES EXCEEDING THE VALUES SHOWN IN TABLE 1207.1.1 SHALL COMPLY WITH THIS SECTION.					
BATTERY STORAGE SYSTEM THRESHOLD QTY'S					
BATTERY TECHNOLOGY			CAPACITY ALLOWED		
LEAD ACID, ALL TYPES			70 kWh (252 MEGAJOULES)		
AH = VOLTAGE (AH)/1000					
VOLTS	AH		kWh	NO. OF BATTERIES	TOTAL kWh
12	210	1000	2.52	12	30.24
CONCLUSIONS:					
30.24	<	70 kWh	SECTION 1206.2 DOES NOT APPLY		
TOTAL BATTERY WEIGHT (12 BATTERIES):					1,699.2 LBS
TOTAL GALLONS - ELECTROLYTE & ACID (12 BATTERIES):					40.8

NSB 210FT RED BATTERY LEAD & ACID WEIGHTS (12-VOLT MODULE):			
ELECTROLYTE	WEIGHT	/KG	12.1
		/LBS	26.5
	VOLUME	/LITERS	9.0
		/GALLONS	2.4
ACID	WEIGHT	/KG	6.8
		/LBS	14.9
	VOLUME	/LITERS	3.7
		/GALLONS	1.0
LEAD	WEIGHT	/KG	19.8
		/LBS	43.6
LEAD OXIDE	VOLUME	/KG	25.7
		/LBS	56.6
TOTAL WEIGHT	WEIGHT	/KG	64.22
		/LBS	141.6

REVISIONS:			
DESCRIPTION	DATE	BY	REV
PRELIMINARY	03/07/2025	DAD	A
PRELIMINARY	05/14/2025	SM	B
PRELIMINARY	06/06/2025	SM	C

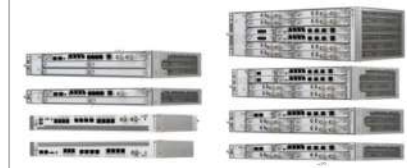


NOKIA CSR IXRE V2 ROUTER
WEIGHT: 11.2 LBS.
SIZE (HxWxD): 1.75x17.25x10.0 IN.

NOKIA CSR IXRE V2 ROUTER

1

NOT TO SCALE



traditional frequencies (6-42 GHz), V-band 60 GHz, E-band 70/80 GHz, single and dual carrier, Coax and Ethernet interface.

Efficient network migration
MINI-LINK 6600 support any network migration from one generation of Radio technology to next on the Road to 5G. There is a topology flexibility in MINI-LINK 6600 to build hop based, tree, stars or ring based topologies to best support the network need.

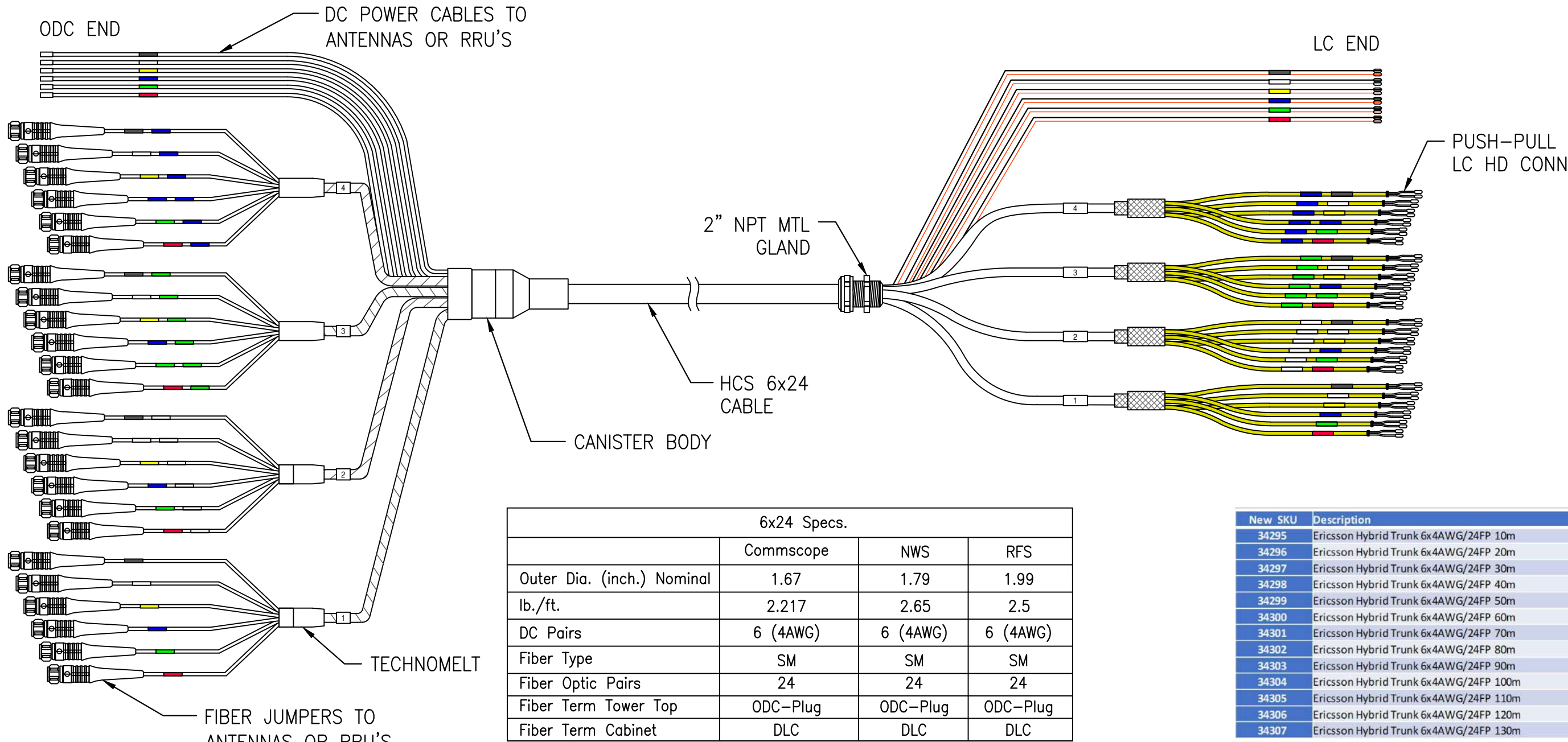
For cost efficient migration MINI-LINK 6600 is hop compatible with MINI-LINK TN. Upgrading to MINI-LINK 6600, the radio units, antennas, and cabling can be reused.

Technical specification MINI-LINK 6600	
RADIO LINK 5-80 GHz*	Using MINI-LINK 6503 up to 4096QAM -1.4 Gbps 1+0 in 112 MHz (ETSI) -2.5 Gbps using 2+0 RLB in 112 MHz (ETSI) -1 Gbps 1+0 in 50 MHz (ANR) -2 Gbps using 2+0 RLB in 80 MHz (ANR) Using MINI-LINK 6503 500MHz up to 1024QAM -1.1 Gbps 1+0 in 125 MHz (ETSI) -2.2 Gbps 2+0 RLB in 125 MHz (ETSI)
RADIO LINK 60/70/80 GHz*	1 Gbps over 200 MHz using MINI-LINK 6501 10 Gbps over 2000 MHz using MINI-LINK 6502
RADIO LINK	ATPC, Radio Link Bonding, XTPC, Adaptive Coding Modulation, Multi-layer Header Compression, Multi-band Booster, AES encryption over the hop, 4x4 MIMO
PROTECTION & CONFIGURATION	Up to 2+2 Hot standby and Space Diversity Up to 4+0 Radio Link Bonding (RLB) Up to 4+0 RLB using different CS combinations ERP, RSTP, SNCP Network protection MSP 1+1 Equipment protection
DIMENSIONS (H x W x D)	66510 44x48x172 mm, 1.7x17.5x6.8 inch 6651 44x48x243 mm, 1.7x17.5x9.6 inch 6654 44x48x243 mm, 1.7x17.5x9.6 inch 6655 44x48x243 mm, 2.6x17.5x9.6 inch 6651 44x48x243 mm, 1.7x17.5x9.6 inch 6653 44x48x243 mm, 2.6x17.5x9.6 inch 6654 44x48x243 mm, 3.6x17.5x9.6 inch 6652 133x48x243 mm, 5.2x17.5x9.6 inch
POWER SUPPLY	-48 V DC, Power redundancy
ENERGY EFFICIENCY	Traffic Aware Power Save
POWER CONSUMPTION (EXCLUDING RADIO)	6651/2 30W 1+0 configuration 6651 49W 1+0 configuration 6654 49W 1+0 configuration 6655 57W 1+0 configuration 6651 57W 1+0 configuration 6653 52W 1+0 configuration 6654 79W 1+0 configuration 6652 84W 1+0 configuration
OPERATIONAL TEMPERATURE	-25°C to +55°C / -13°F to +140°F -25°C to +55°C / -13°F to +131°F (6651/3)
TRAFFIC INTERFACES	E1, CES SA-Tp, 10/100/1000 BASE-T IEEE802.3, Optical 1000BASE-SX/LX/ZX/BX, GE CWDM 10G BASE-LR/ER/ZR, 10GE DWDM
SYNCHRONIZATION	SynE, 1588v2 (Telecom profile G.8275.1), NTP transparent, E1 and 2MHz, Frequency (G.8265.1)
SWITCHING/ROUTING	IEEE 802.1Q-2011 Customer & Provider Bridge, Bridge Virtual Interface, LAG/LACP, ERP, H-QoS, BMM, MAC Swap, Loopback, VRF, OSPF, ISIS, RSVP-TE FRR, RSVP-TE Path Protection, BGPv3, L3 VPN, LDP, BFD, BGP FRR, MP-BGP, IPv4 ACL
OAM	Link OAM, Service OAM F4MFM, Y-1731, TWAMP reflector Light
DCN	DCN over VLAN, Routed DCN (OSPF) DCN over VLAN for L1 connection
NETWORK MANAGEMENT	Supported by ENM, IP transport NMS, ServiceON, Node GUI and CLI SNMP v3, SSH, RADIUS, TACACS+
STANDARDS & RECOMMENDATIONS	3GPP, ETSI, ITU, IEEE, IETF * For antennas and frequency bands, please see MINI-LINK outdoor datasheets

ERICSSON RP 6651

3

NOT TO SCALE



HCS 6x24 4AWG CABLE SPECS

HCS CABLE SPECS

2

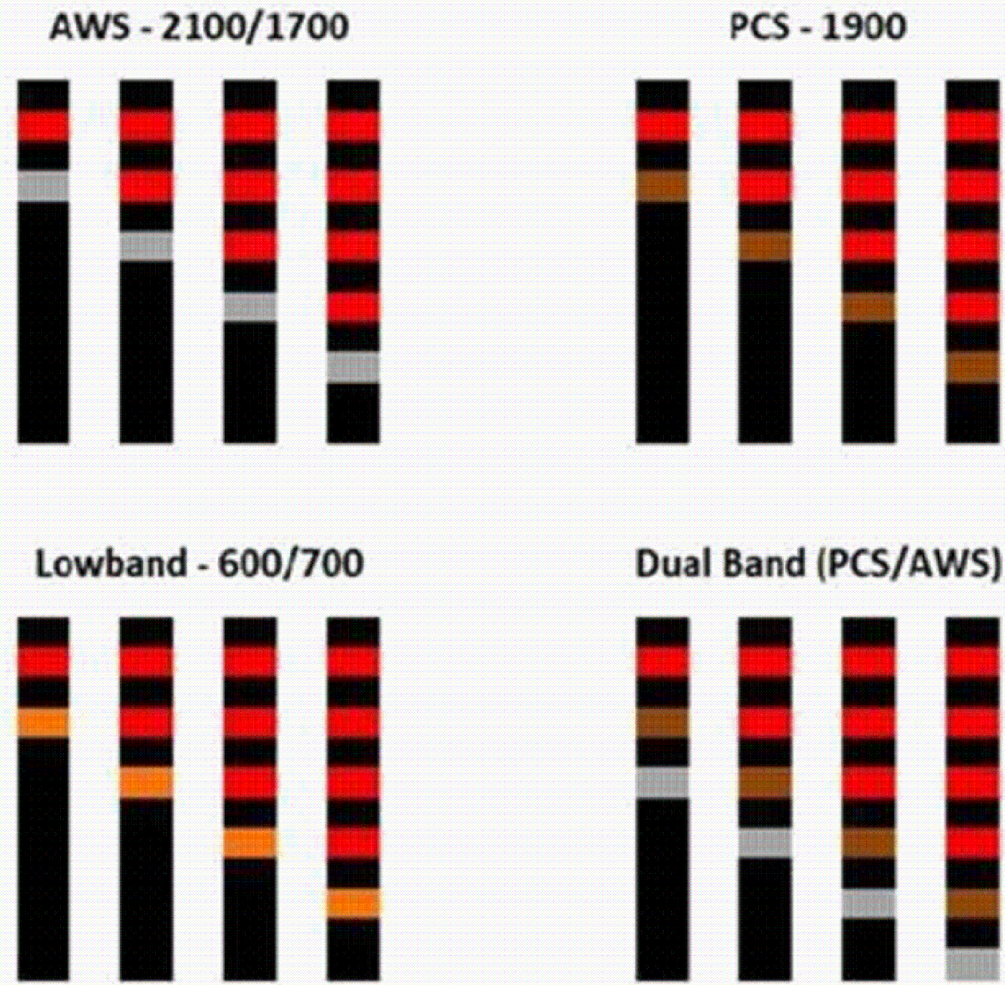
NOT TO SCALE

New RF Jumper Color Codes

Frequency Bands & Sectors

Frequency Band Colors	
Lowband - 600/700	Orange
PCS - 1900	Brown
AWS - 2100/1700	Gray
Sector Colors	
Alpha	Red
Beta	Blue
Gamma	Green
Delta	Yellow
Epsilon	White
Zeta	Purple

Alpha Sector Example



RF JUMPER COLOR CODING

4

NOT TO SCALE

PLANS PREPARED FOR:

T-Mobile
1200 CONCORD AVENUE SUITE 500
CONCORD CA 94520

PLANS PREPARED BY:

PM&A
P. MARSHALL & ASSOCIATES
6801 PORTWEST DR., SUITE 100
HOUSTON, TX 77024

OEM:

**NETWORK
CONNEX**

MLA PARTNER:

ENGINEERING SEAL:

**ISSUED
FOR
REVIEW**

DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL
AND ARE THE SOLE PROPERTY OF
T-MOBILE AND MAY NOT BE
REPRODUCED, DISSEMINATED OR
REDISTRIBUTED WITHOUT THE EXPRESS
WRITTEN CONSENT OF **T-MOBILE**.

REVISIONS:

DESCRIPTION	DATE	BY	REV
PRELIMINARY	03/07/2025	DAD	A
PRELIMINARY	05/14/2025	SM	B
PRELIMINARY	06/06/2025	SM	C

SITE NAME:

AT&T: KING CITY

SITE NUMBER:

SFL0050A

SITE ADDRESS:

51950 PINE CANYON RD
KING CITY, CA 93930

PM&A PROJECT:

25TMO_08N-004

SHEET DESCRIPTION:

EQUIPMENT DETAILS

SHEET NUMBER:

A-11



WALL-MOUNT ENCLOSURES WALL-MOUNT TYPE 12 ENCLOSURES

CONTINUOUS HINGE WITH CLAMPS, TYPE 12



INDUSTRY STANDARDS

UL 508A Listed, Type 12, 13; File No. E61997
cUL Listed per CSA C22.2 No. 94; Type 12, 13; File No. E61997
NEMA/EMAC Type 12 and 13
CSA, File No. 42186; Type 12
IEC 60529, IP65

APPLICATION

For applications requiring a bright white interior to increase control visibility, this enclosure includes a padlocking hasp and staple for security and screw-down clamps for secure closure.

SPECIFICATIONS

- 16 or 14 gauge steel
- Seams continuously welded and ground smooth
- External welded-on mounting brackets for easy installation
- Formed external return flanges around all sides of enclosure opening
- Screw-down door clamps
- Removable heavy-gauge continuous hinge pin
- Hasp and staple for padlocking
- Data pocket is high-impact thermoplastic
- Collar studs for mounting optional panels
- Bonding provision on door
- Removable door with continuous hinge
- Seamless foam-in-place gasket

FINISH

Body: White inside with ANSI 61 gray finish outside.
Door: ANSI 61 gray inside and outside.

ACCESSORIES

Panels for 3R, 4, 4X, 12, and 13 Enclosures
Drip Shield Kit for Type 12 Enclosures
Electric Heater
Fast-Operating Clamp Assembly
Compact Cooling Fans
Steel and Stainless Steel Window Kits
HF-Side-Mount Filter Fans

MODIFICATION AND CUSTOMIZATION

Hoffman excels at modifying and customizing products to your specifications. Contact your local Hoffman sales office or distributor for complete information.

BULLETIN: A12

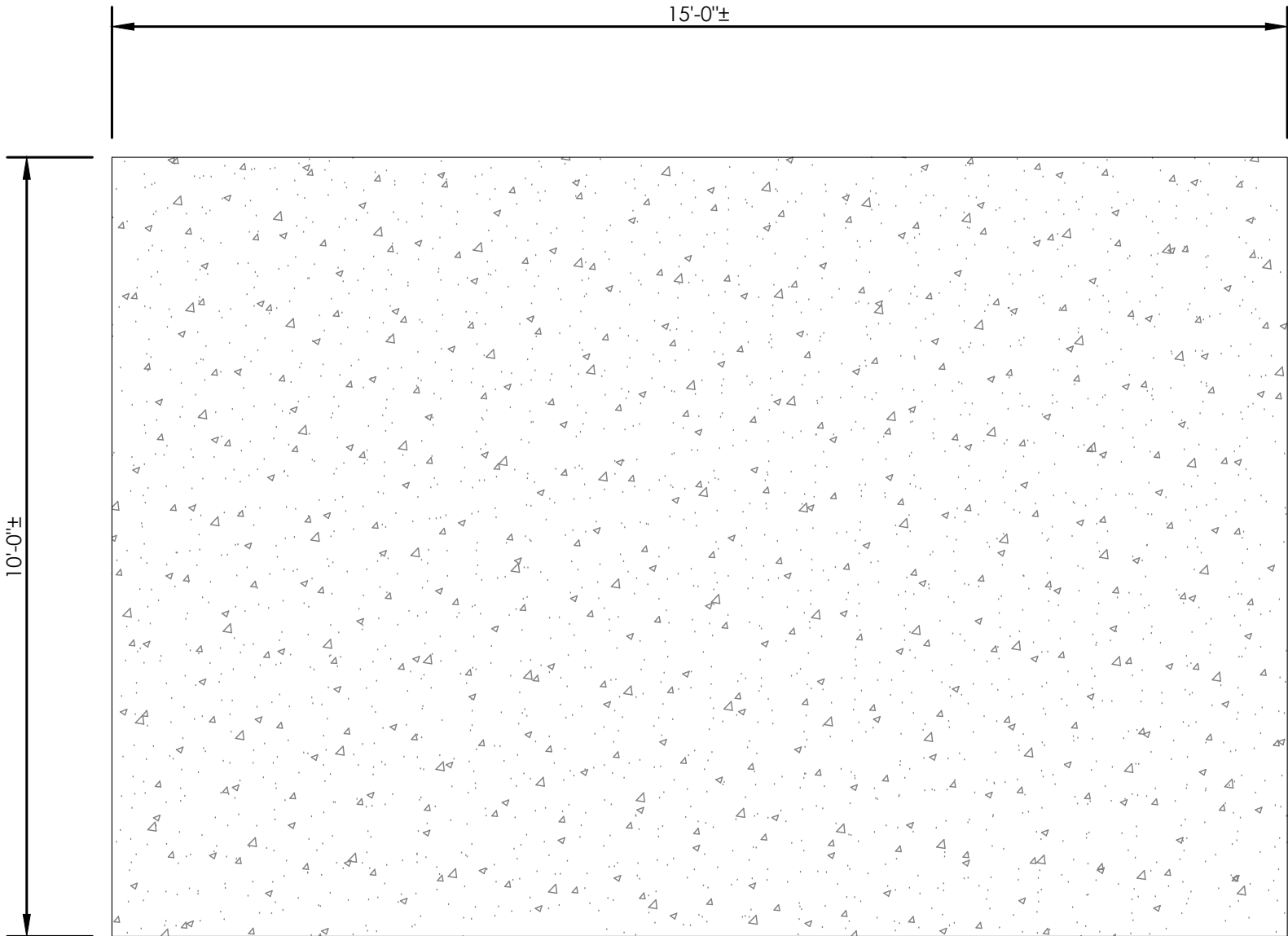
Standard Product

Catalog Number	AxBxC in./mm	Body Gauge	Panel	Conductive Panel	Panel Size D x E in./mm	F in./mm	Number of Clamps	Data Pocket
A12240BLP	12.00 x 24.00 x 6.00	16	A12P24	A12P24G	9.00 x 21.00	1.25	2	Small
A16120BLP	16.00 x 12.00 x 6.00	16	A16P12	A16P12G	13.00 x 9.00	1.25	2	Small
A16160BLP	16.00 x 16.00 x 6.00	16	A16P16	A16P16G	13.00 x 13.00	3.00	2	Small
A16200BLP	16.00 x 20.00 x 6.00	16	A20P16	A20P16G	17.00 x 13.00	3.00	2	Small
A20120BLP	20.00 x 12.00 x 6.00	16	A20P12	A20P12G	17.00 x 9.00	1.25	2	Small
A20160BLP	20.00 x 16.00 x 6.00	16	A20P16	A20P16G	17.00 x 13.00	3.00	2	Small
A20200BLP	20.00 x 20.00 x 6.00	16	A20P20	A20P20G	17.00 x 17.00	3.00	2	Small
A2240BLP	24.00 x 24.00 x 6.00	16	A12P24	A12P24G	9.00 x 21.00	1.25	2	Small
A2420BLP	24.00 x 20.00 x 6.00	16	A24P20	A24P20G	21.00 x 17.00	3.00	2	Small
A2424BLP	24.00 x 24.00 x 6.00	16	A24P24	A24P24G	21.00 x 21.00	3.00	2	Small
A30160BLP	30.00 x 16.00 x 6.00	14	A30P16	A30P16G	27.00 x 13.00	3.00	2	Small
A30200BLP	30.00 x 20.00 x 6.00	14	A30P20	A30P20G	27.00 x 17.00	3.00	2	Small
A30240BLP	30.00 x 24.00 x 6.00	14	A30P24	A30P24G	27.00 x 21.00	3.00	2	Small
A36200BLP	36.00 x 20.00 x 6.00	14	A36P20	A36P20G	33.00 x 17.00	3.00	2	Small
A36240BLP	36.00 x 24.00 x 6.00	14	A36P24	A36P24G	33.00 x 21.00	3.00	2	Small
A36300BLP	36.00 x 30.00 x 6.00	14	A36P30	A36P30G	33.00 x 27.00	3.00	2	Small
A42240BLP	42.00 x 24.00 x 6.00	14	A42P24	A42P24G	39.00 x 21.00	3.00	2	Small
A42300BLP	42.00 x 30.00 x 6.00	14	A42P30	A42P30G	39.00 x 27.00	3.00	2	Small
A42360BLP	42.00 x 36.00 x 6.00	14	A42P36	A42P36G	39.00 x 33.00	3.00	2	Small
A48240BLP	48.00 x 24.00 x 6.00	14	A48P24	A48P24G	45.00 x 21.00	3.00	3	Small
A48300BLP	48.00 x 30.00 x 6.00	14	A48P30	A48P30G	45.00 x 27.00	3.00	3	Small
A48360BLP	48.00 x 36.00 x 6.00	14	A48P36	A48P36G	45.00 x 33.00	3.00	3	Small
A60240BLP	60.00 x 24.00 x 6.00	14	A60P24	A60P24G	57.00 x 21.00	3.00	3	Small
A60300BLP	60.00 x 30.00 x 6.00	14	A60P30	A60P30G	57.00 x 27.00	3.00	3	Small
A60360BLP	60.00 x 36.00 x 6.00	14	A60P36	A60P36G	57.00 x 33.00	3.00	3	Small
A72360BLP	72.00 x 36.00 x 6.00	14	A72P36	A72P36G	69.00 x 33.00	3.00	3	Small
A84240BLP	84.00 x 24.00 x 6.00	14	A84P24	A84P24G	81.00 x 21.00	3.00	3	Small
A84300BLP	84.00 x 30.00 x 6.00	14	A84P30	A84P30G	81.00 x 27.00	3.00	3	Small
A84360BLP	84.00 x 36.00 x 6.00	14	A84P36	A84P36G	81.00 x 33.00	3.00	3	Small
A96240BLP	96.00 x 24.00 x 6.00	14	A96P24	A96P24G	93.00 x 21.00	3.00	3	Small
A96300BLP	96.00 x 30.00 x 6.00	14	A96P30	A96P30G	93.00 x 27.00	3.00	3	Small
A96360BLP	96.00 x 36.00 x 6.00	14	A96P36	A96P36G	93.00 x 33.00	3.00	3	Small
A108240BLP	108.00 x 24.00 x 6.00	14	A108P24	A108P24G	105.00 x 21.00	3.00	3	Small
A108300BLP	108.00 x 30.00 x 6.00	14	A108P30	A108P30G	105.00 x 27.00	3.00	3	Small
A108360BLP	108.00 x 36.00 x 6.00	14	A108P36	A108P36G	105.00 x 33.00	3.00	3	Small
A120240BLP	120.00 x 24.00 x 6.00	14	A120P24	A120P24G	117.00 x 21.00	3.00	3	Small
A120300BLP	120.00 x 30.00 x 6.00	14	A120P30	A120P30G	117.00 x 27.00	3.00	3	Small
A120360BLP	120.00 x 36.00 x 6.00	14	A120P36	A120P36G	117.00 x 33.00	3.00	3	Small
A144240BLP	144.00 x 24.00 x 6.00	14	A144P24	A144P24G	141.00 x 21.00	3.00	3	Small
A144300BLP	144.00 x 30.00 x 6.00	14	A144P30	A144P30G	141.00 x 27.00	3.00	3	Small
A144360BLP	144.00 x 36.00 x 6.00	14	A144P36	A144P36G	141.00 x 33.00	3.00	3	Small
A168240BLP	168.00 x 24.00 x 6.00	14	A168P24	A168P24G	165.00 x 21.00	3.00	3	Small
A168300BLP	168.00 x 30.00 x 6.00	14	A168P30	A168P30G	165.00 x 27.00	3.00	3	Small
A168360BLP	168.00 x 36.00 x 6.00	14	A168P36	A168P36G	165.00 x 33.00	3.00	3	Small
A192240BLP	192.00 x 24.00 x 6.00	14	A192P24	A192P24G	189.00 x 21.00	3.00	3	Small
A192300BLP	192.00 x 30.00 x 6.00	14	A192P30	A192P30G	189.00 x 27.00	3.00	3	Small
A192360BLP	192.00 x 36.00 x 6.00	14	A192P36	A192P36G	189.00 x 33.00	3.00	3	Small
A216240BLP	216.00 x 24.00 x 6.00	14	A216P24	A216P24G	213.00 x 21.00	3.00	3	Small
A216300BLP	216.00 x 30.00 x 6.00	14	A216P30	A216P30G	213.00 x 27.00	3.00	3	Small
A216360BLP	216.00 x 36.00 x 6.00	14	A216P36	A216P36G	213.00 x 33.00	3.00	3	Small
A240240BLP	240.00 x 24.00 x 6.00	14	A240P24	A240P24G	237.00 x 21.00	3.00	3	Small
A240300BLP	240.00 x 30.00 x 6.00	14	A240P30	A240P30G	237.00 x 27.00	3.00	3	Small
A240360BLP	240.00 x 36.00 x 6.00	14	A240P36	A240P36G	237.00 x 33.00	3.00	3	Small
A288240BLP	288.00 x 24.00 x 6.00	14	A288P24	A288P24G	285.00 x 21.00	3.00	3	Small
A288300BLP	288.00 x 30.00 x 6.00	14	A288P30	A288P30G	285.00 x 27.00	3.00	3	Small
A288360BLP	288.00 x 36.00 x 6.00	14	A288P36	A288P36G	285.00 x 33.00	3.00	3	Small
A360240BLP	360.00 x 24.00 x 6.00	14	A360P24	A360P24G	357.00 x 21.00	3.00	3	Small
A360300BLP	360.00 x 30.00 x 6.00	14	A360P30	A360P30G	357.00 x 27.00	3.00	3	Small
A360360BLP	360.00 x 36.00 x 6.00	14	A360P36	A360P36G	357.00 x 33.00	3.00	3	Small
A432240BLP	432.00 x 24.00 x 6.00	14	A432P24	A432P24G	429.00 x 21.00	3.00	3	Small
A432300BLP	432.00 x 30.00 x 6.00	14	A432P30	A432P30G	429.00 x 27.00	3.00	3	Small
A432360BLP	432.00 x 36.00 x 6.00	14	A432P36	A432P36G	429.00 x 33.00	3.00	3	Small
A504240BLP	504.00 x 24.00 x 6.00	14	A504P24	A504P24G	501.00 x 21.00	3.00	3	Small
A504300BLP	504.00 x 30.00 x 6.00	14	A504P30	A504P30G	501.00 x 27.00	3.00	3	Small
A504360BLP	504.00 x 36.00 x 6.00	14	A504P36	A504P36G	501.00 x 33.00	3.00	3	Small
A576240BLP	576.00 x 24.00 x 6.00	14	A576P24	A576P24G	573.00 x 21.00	3.00	3	Small
A576300BLP	576.00 x 30.00 x 6.00	14	A576P30	A576P30G	573.00 x 27.00	3.00	3	Small
A576360BLP	576.00 x 36.00 x 6.00	14	A576P36	A576P36G	573.00 x 33.00	3.00	3	Small
A696240BLP	696.00 x 24.00 x 6.00	14	A696P24	A696P24G	693.00 x 21.00	3.00	3	Small
A696300BLP	696.00 x 30.00 x 6.00	14	A696P30	A696P30G	693.00 x 27.00	3.00	3	Small
A696360BLP	696.00 x 36.00 x 6.00	14	A696P36	A696P36G	693.00 x 33.00	3.00	3	Small
A864240BLP	864.00 x 24.00 x 6.00	14	A864P24	A864P24G	861.00 x 21.00	3.00	3	Small
A864300BLP	864.00 x 30.00 x 6.00	14	A864P30	A864P30G	861.00 x 27.00	3.00	3	Small
A864360BLP	864.00 x 36.00 x 6.00	14	A864P36	A864P36G	861.00 x 33.00	3.00	3	Small
A1008240BLP	1008.00 x 24.00 x 6.00	14	A1008P24	A1008P24G	1005.00 x 21.00	3.00	3	Small
A1008300BLP	1008.00 x 30.00 x 6.00	14	A1008P30	A1008P30G	1005.00 x 27.00	3.00	3	Small
A1008360BLP	1008.00 x 36.00 x 6.00	14	A1008P36	A1008P36G	1005.00 x 33.00	3.00	3	Small
A1152240BLP	1152.00 x 24.00 x 6.00	14	A1152P24	A1152P24G	1149.00 x 21.00	3.00	3	Small
A1152300BLP	1152.00 x 30.00 x 6.00	14	A1152P30	A1152P30G	1149.00 x 27.00	3.00	3	Small
A1152360BLP	1152.00 x 36.00 x 6.00	14	A1152P36	A1152P36G	1149.00 x 33.00	3.00	3	Small
A1344240BLP	1344.00 x 24.00 x 6.00	14	A1344P24	A1344P24G	1341.00 x 21.00	3.00	3	Small
A1344300BLP	1344.00 x 30.00 x 6.00	14	A1344P30	A1344P30G	1341.00 x 27.00	3.00	3	Small
A1344360BLP	1344.00 x 36.00 x 6.00	14	A1344P36	A1344P36G	1341.00 x 33.00	3.00	3	Small
A1584240BLP	1584.00 x 24.00 x 6.00	14	A1584P24	A1584P24G	1581.00 x 21.00	3.00	3	Small
A1584300BLP	1584.00 x 30.00 x 6.00	14	A1584P30	A1584P30G	1581.00 x 27.00	3.00	3	Small
A1584360BLP	1584.00 x 36.00 x 6.00	14	A1584P36	A1584P36G	1581.00 x 33.00	3.00	3	Small
A1824240BLP	1824.00 x 24.00 x 6.00	14	A1824P24	A1824P24G	1821.00 x 21.00	3.00	3	Small
A1824300BLP	1824.00 x 30.00 x 6.00	14	A1824P30	A1824P30G	1821.00 x 27.00	3.00	3	Small
A1824360BLP	1824.00 x 36.00 x 6.00	14	A1824P36	A1824P36G	1821.00 x 33.00	3.00	3	Small
A2160240BLP	2160.00 x 24.00 x 6.00	14	A2160P24	A2160P24G	2157.00 x 21.00	3.00	3	Small
A2160300BLP	2160.00 x 30.00 x 6.00	14	A2160P30	A2160P30G	2157.00 x 27.00	3.00	3	Small
A2160360BLP	2160.00 x 36.00 x 6.00	14	A2160P36	A2160P36G	2157.00 x 33.00	3.00	3	Small
A2592240BLP	2592.00 x 24.00 x 6.00	14	A2592P24	A2592P24G	2589.00 x 21.00	3.00	3	Small
A2592300BLP	2592.00 x 30.00 x 6.00	14	A2592P30	A2592P30G	2589.00 x 27.00	3.00	3	Small
A2592360BLP	2592.00 x 36.00 x 6.00	14	A2592P36	A2592P36G	2589.00 x 33.00	3.00	3	Small
A3024240BLP	3024.00 x 24.00 x 6.00	14	A3024P24	A3024P24G	3021.00 x 21.00	3.00	3	Small
A3024300BLP	3024.00 x 30.00 x 6.00	14	A3024P30	A3024P30G	3021.00 x 27.00	3.00	3	Small
A3024360BLP	3024.00 x 36.00 x 6.00	14	A3024P36	A3024P36G	3021.00 x 33.00	3.00	3	Small
A3648240BLP	3648.00 x 24.00 x 6.00	14	A3648P24	A3648P24G	3645.00 x 21.00	3.00	3	Small
A3648300BLP	3648.00 x 30.00 x 6.00	14	A3648P30	A3648P30G	3645.00 x 27.00	3.00	3	Small
A3648360BLP	3648.00 x 36.00 x 6.00	14	A3648P36	A3648P36G	3645.00 x 33.00	3.00	3	Small
A4392240BLP	4392.00 x 24.00 x 6.00	14	A4392P24	A4392P24G	4389.00 x 21.00	3.00	3	Small

NOTES

REINFORCED CONCRETE PAD (MINIMUM REQUIREMENTS):

1. REINFORCED CONCRETE CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH ACI STANDARDS 318.
2. ALL CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI.
3. ALL REINFORCING STEEL SHALL BE NEW BILIT STEEL, CONFORMING TO ASTM A-615, GRADE 60, DEFORMED, CONSISTING OF MIN. #4 BARS @ 12" O.C. (MAX) EACH WAY.
4. UNLESS OTHERWISE NOTED, ALL DETAILING, FABRICATION AND PLACING OF REINFORCING STEEL SHALL CONFORM TO THE MANUAL STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES. (ACI 315).
5. ALL BAR SPICES SHALL BE CLASS "B" TENSION SPICES, UNLESS OTHERWISE SHOWN.
6. ALL EXPOSED EXTERNAL CORNERS OF CONCRETE TO BE TOOLED EDGE, UNLESS OTHERWISE NOTED.
7. CONTRACTOR SHALL REFER TO DRAWINGS OF THEIR TRADES AND VENDOR DRAWINGS FOR EMBEDDED ITEMS AND RECESSES.
8. CONTRACTOR SHALL VERIFY ALL SIZES AND LOCATION OF ALL ELECTRICAL OPENINGS AND EQUIPMENT PADS WITH THE ELECTRICAL EQUIPMENT DETAIL AND SHOP DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL OPENINGS AND SLEEVES FOR PROPER DISTRIBUTION FOR ALL UTILITIES.
9. CONCRETE PAD WAS DESIGNED ASSUMING EXISTING SURFACE SOILS BENEATH PAD HAVE MINIMUM NET ALLOWABLE BEARING PRESSURE OF 1500 PSF.
10. SOIL BEARING CAPACITY SHOULD BE VERIFIED BY CONTRACTOR WITH THE SPECIFIC GEOTECHNICAL REPORT. IF THIS MINIMUM IS NOT MET, FURTHER REVIEW OF DESIGN OR SPECIAL DESIGN MA BE REQUIRED.
11. THE SOIL BENEATH THE CONCRETE PAD MUST BE FREE OF ORGANIC MATTER OR OTHER DELETERIOUS SUBSTANCES, AND SHOULD BE COMPACTED AND LEVELED BEFORE PLACING THE GRAVEL BASE MATERIAL.



CONCRETE SLAB PLAN

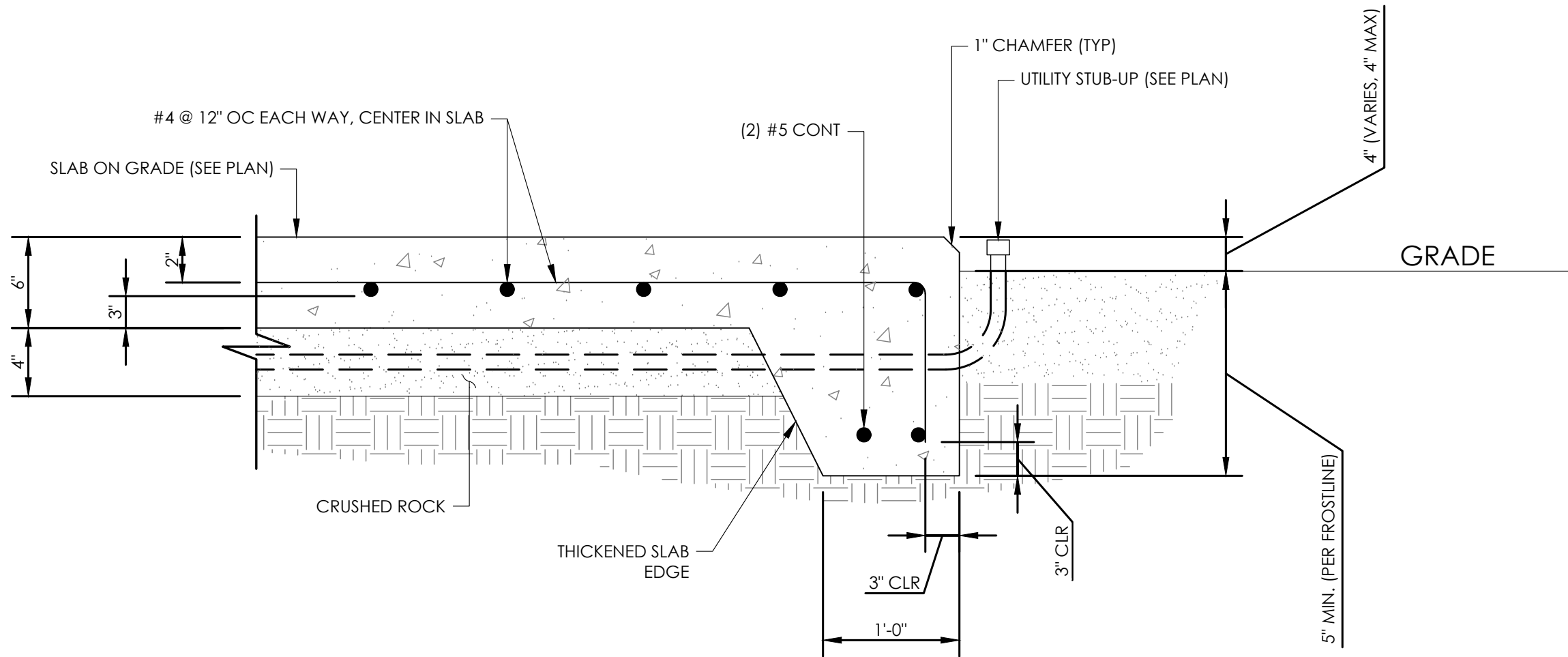
1

NOT TO SCALE

CONCRETE PAD NOTE

USE OF EXISTING CONCRETE PADS:

PM&A WAS NOT PROVIDED WITH AS BUILT INFORMATION FOR EXISTING CONCRETE PADS. CONTRACTOR SHALL VERIFY THAT EXISTING CONCRETE PADS ARE OF MIN. THICKNESS, REINFORCEMENT AND COMPRESSIVE STRENGTH AS WELL AS MEET THE MIN. REQUIREMENTS AS LISTED ABOVE PRIOR TO INSTALLING NEW GENERATOR ON EXISTING PAD. IN CASES WHERE EXISTING PAD DOES NOT MEET MIN. REQUIREMENTS THE CONTRACTOR SHALL NOTIFY T-MOBILE AND CONFIRM AND RECEIVE APPROVAL FROM SITE CM TO REPLACE EXISTING PAD WITH NEW PAD AS DETAILED ON THIS SHEET. IF EXISTING GENERATOR CONDUIT STUB-UPS ARE PRESENT, CONTRACTOR TO VERIFY EXACT LOCATION AND UTILIZE EXISTING CONDUITS FOR NEW GENERATOR.



CONNECTION DETAIL

2

NOT TO SCALE

PLANS PREPARED FOR:

T

Mobile

1200 CONCORD AVENUE SUITE 500
CONCORD CA 94520

PLANS PREPARED BY:

PM&A

P. MARSHALL & ASSOCIATES

6801 PORTWEST DR., SUITE 100
HOUSTON, TX 77024

OEM:

NETWORK

CONNEX

MLA PARTNER:

ENGINEERING SEAL:

ISSUED
FOR
REVIEW

DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF T-MOBILE AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF T-MOBILE.

REVISIONS:

DESCRIPTION	DATE	BY	REV
PRELIMINARY	03/07/2025	DAD	A
PRELIMINARY	05/14/2025	SM	B
PRELIMINARY	06/06/2025	SM	C

SITE NAME:

AT&T: KING CITY

SITE NUMBER:

SFL0050A

SITE ADDRESS:

51950 PINE CANYON RD
KING CITY, CA 93930

PM&A PROJECT:

25TMO_08N-004

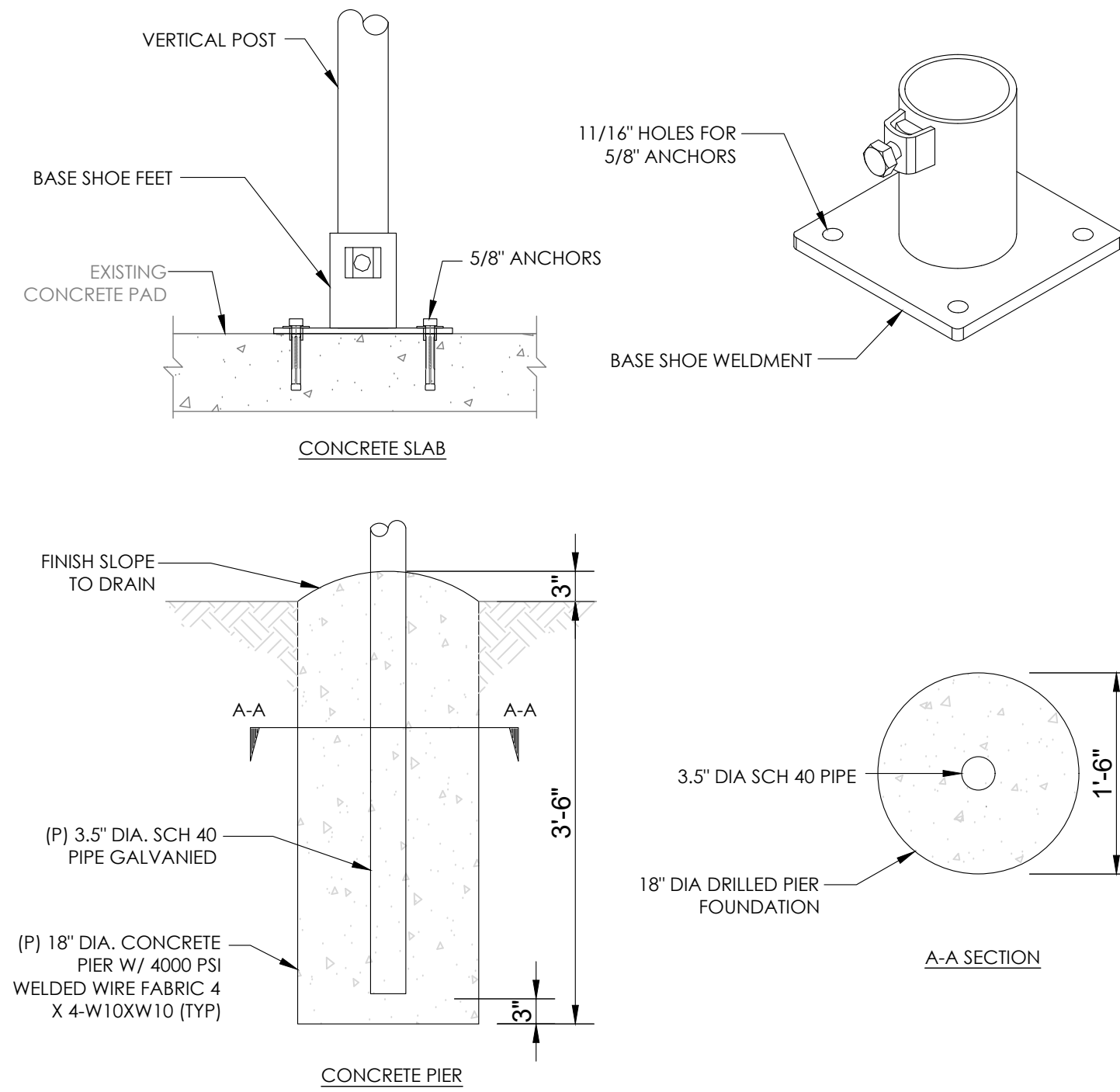
SHEET DESCRIPTION:

EQUIPMENT DETAILS

SHEET NUMBER:

A-13

DIMENSIONS (HxWxL): 8" X 8" X 1 1/2"
WEIGHT: 15.0 LBS
POST SIZE: 2-7/8" OR 3-1/2"



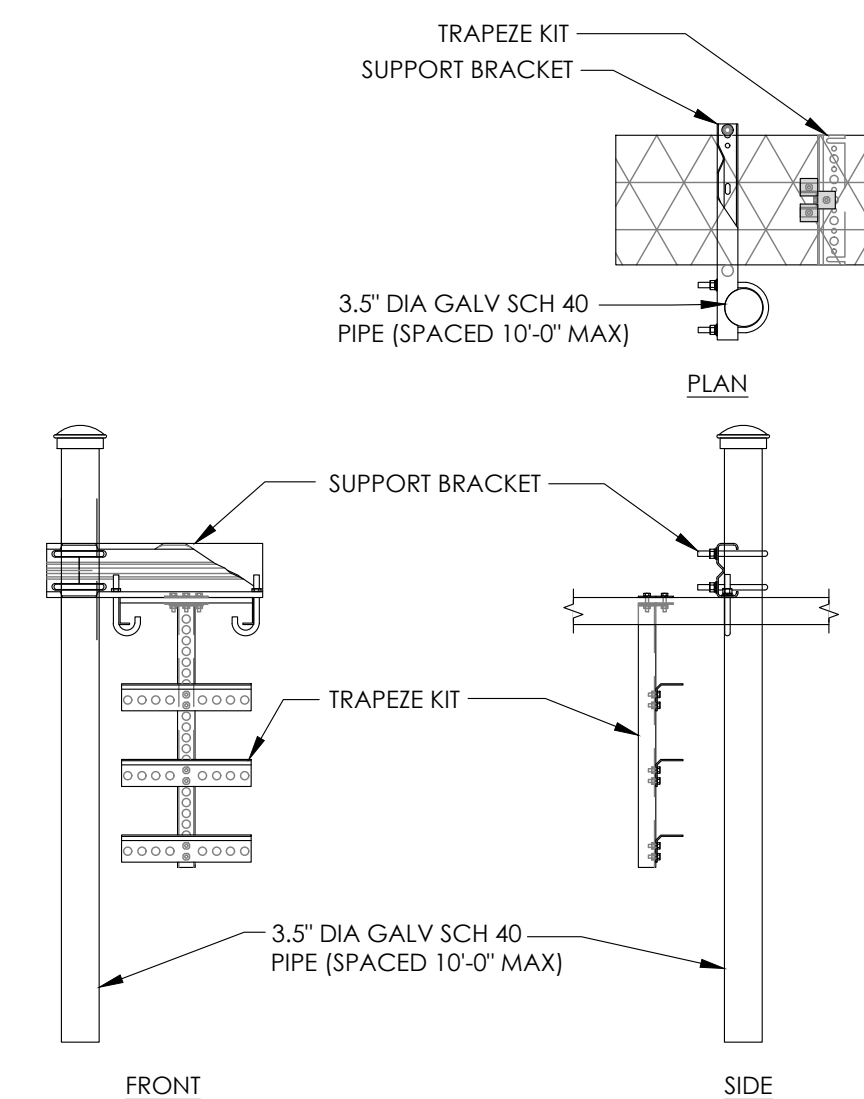
WAVE GUIDE BRIDGE KIT COMPONENTS:

WB T24 3 TRADEZE KIT 3 BUNGE

WB-T24-3 TRAPEZE KIT, 3 RUNGS

WB-LB24-3 SUPPORT BRACKET

MF-130 DIRECT BURIAL PIPE COLUMN, 13'-4"

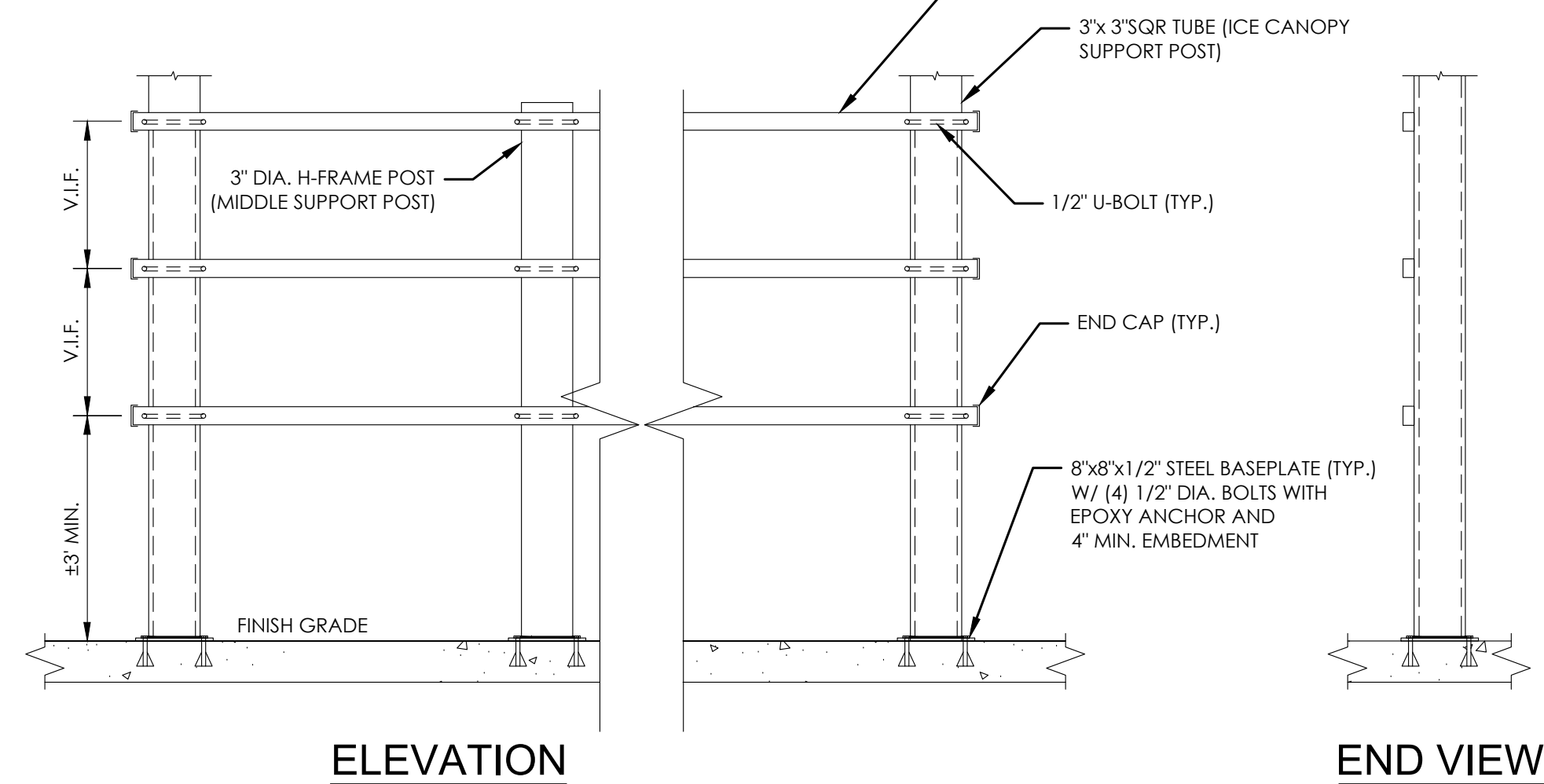


5'-0" MAX. TO EACH POST
CONTRACTOR TO VERIFY
OVERALL LENGTH REQUIRED TO
ACCOMMODATE EQUIPMENT

1/2" SS BACK PLATE
1/2" ALL-THREAD BOLTS
(CUT TO LENGTH)

1-1/2" GALV. SQUARE P1000
UNISTRUT RAIL (12 GA.)
(TYP.) COORDINATE EXACT
LOCATION IN FIELD

PLAN VIEW



8"x8"x1/2" STEEL BASEPLATE

1-1/2"

1-1/2"

TYP. 3/16"

3" DIA. SCH. 40 STAINLESS GALV. STEEL OR GALV.

(3"x3" SQR TUBE FOR ICE CANOPY SUPPORT NOT SHOWN)

BASE PLATE

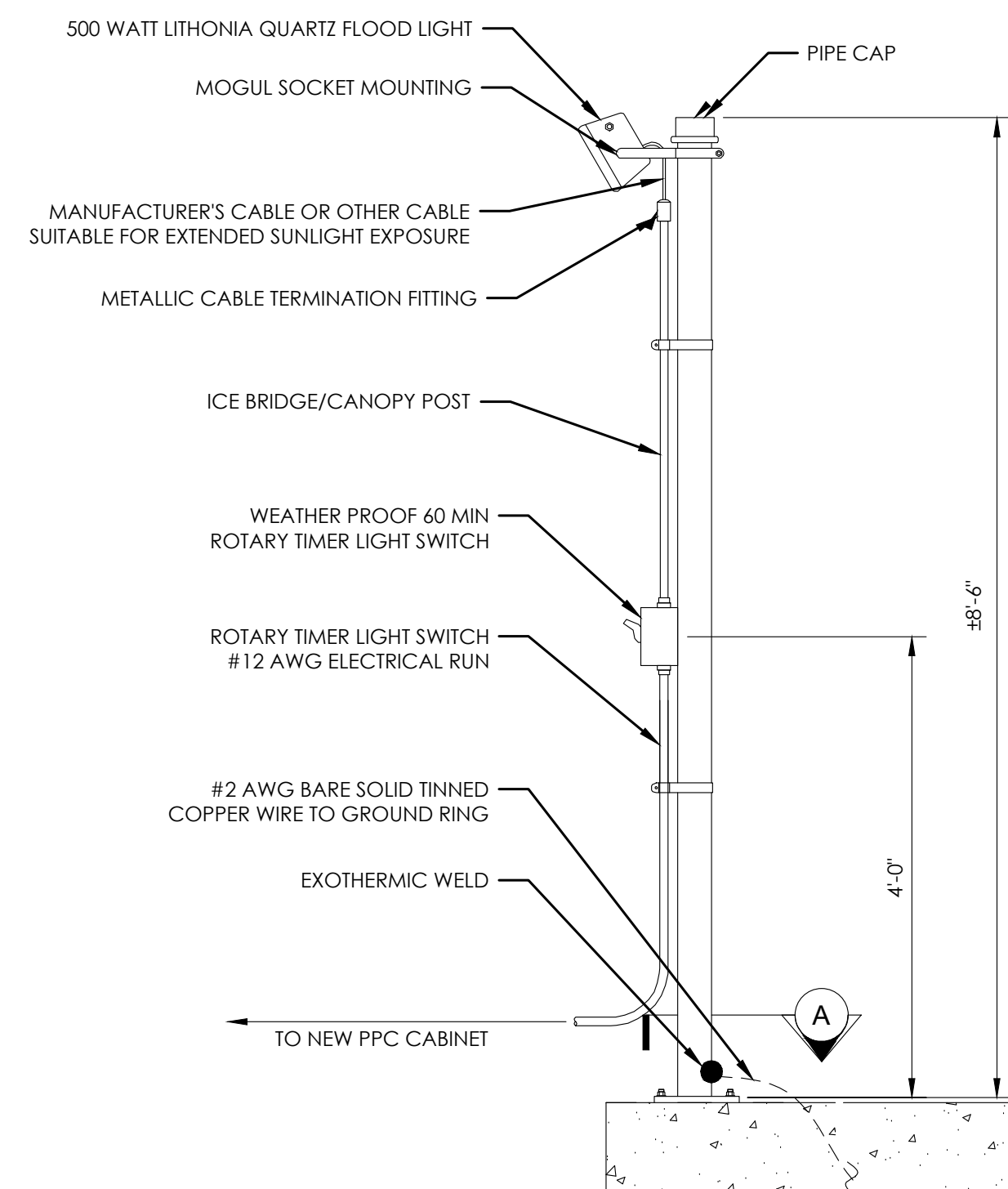
END VIEW

1

NOT TO SCALE

2

NOT TO SCALE



4

NOT TO SCALE

T-Mobile
1200 CONCORD AVENUE SUITE 500
CONCORD CA 94520



PMA
P. MARSHALL & ASSOCIATES
6801 PORTWEST DR., SUITE 100
HOUSTON, TX 77024



**NETWORK
CONNEX**

**ISSUED
FOR
REVIEW**

THESE DOCUMENTS ARE CONFIDENTIAL
AND ARE THE SOLE PROPERTY OF
T-MOBILE AND MAY NOT BE
REPRODUCED, DISSEMINATED OR
REDISTRIBUTED WITHOUT THE EXPRESS
WRITTEN CONSENT OF T-MOBILE.

REVISIONS:			
DESCRIPTION	DATE	BY	REV
PRELIMINARY	03/07/2025	DAD	A
PRELIMINARY	05/14/2025	SM	B
PRELIMINARY	06/06/2025	SM	C

AT&T: KING CITY

SFL0050A

51950 PINE CANYON RD
KING CITY, CA 93930

25TMO_08N-004

EQUIPMENT DETAILS

A-13.1

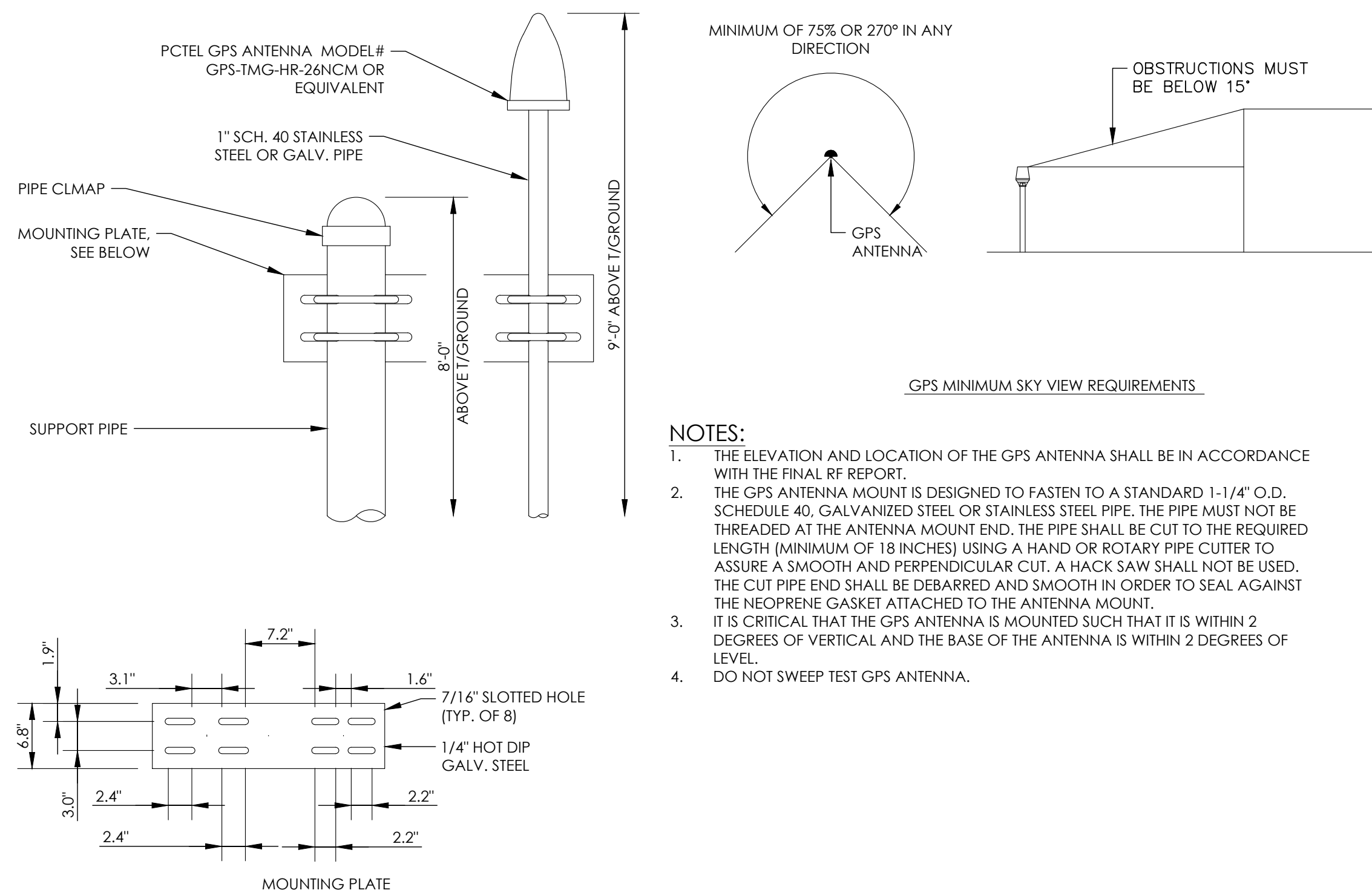
3

NOT TO SCALE

4

NOT TO SCALE

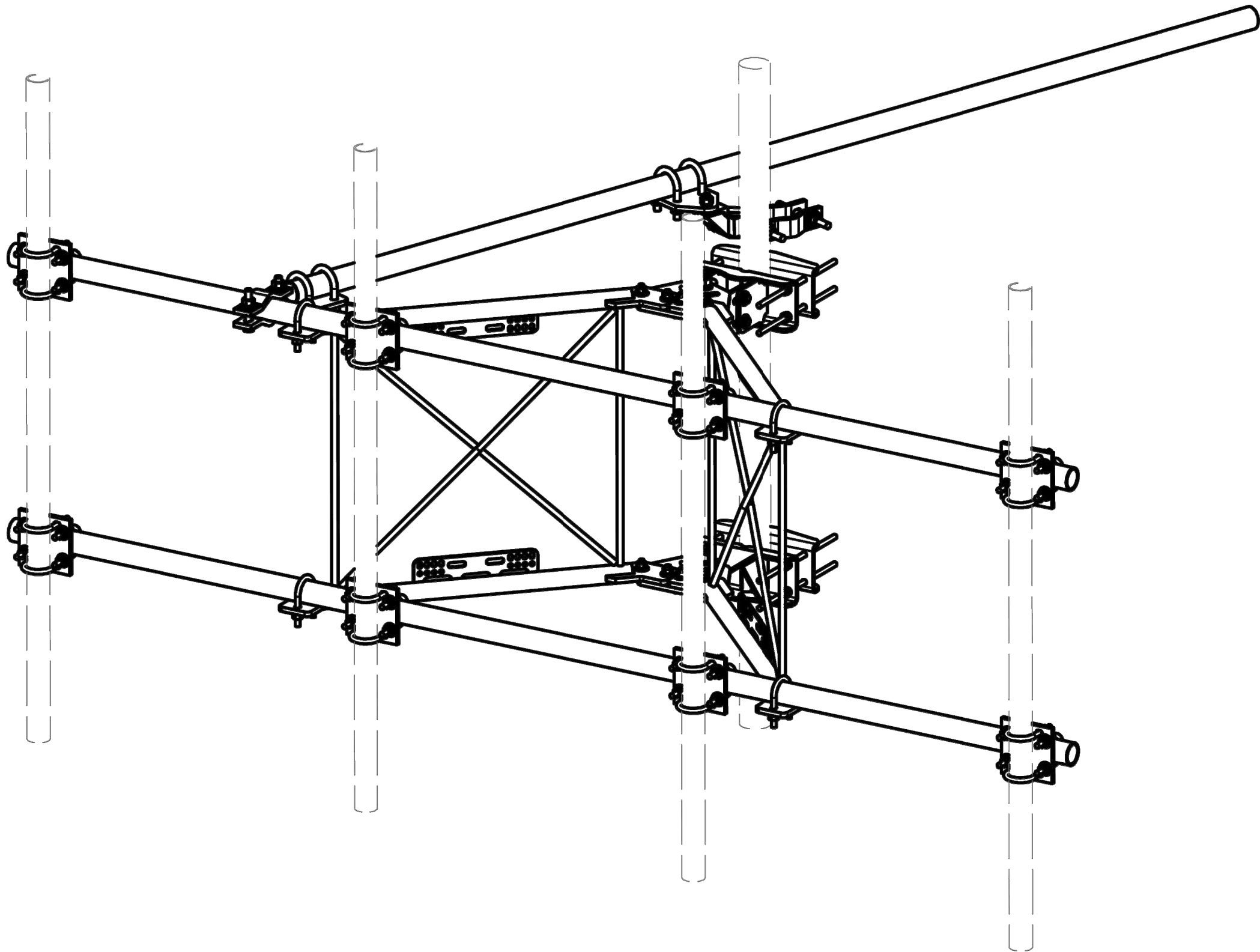
1. PROPOSED 3" PVC CONDUIT FROM PPC TELCO BAY TO MAIN TELCO DEMARC. PROVIDE PULLSTRINGS IN ACCORDANCE WITH UTILITY REQUIREMENTS.
2. PROPOSED 2" PVC CONDUIT FROM METER TO PPC POWER BAY.
3. PROPOSED 2" POWER CONDUIT ROUTED FROM PPC TO NEW 6160 CABINET.
4. PROPOSED 2" CONDUITS ROUTED FROM CIENA TO NEW 6160 CABINET FOR POWER, ALARM AND FIBER CABLING.
5. PROPOSED 2" WATER TIGHT CONDUITS FOR BATTERY CABLE AND ALARMING.
6. PROPOSED GPS CABLE ROUTED TO ERICSSON 6160 CABINET.
7. EXPOSED HYBRID CABLES AND GPS CABLE TO BE INSTALLED IN CABLE TRAY OR ICE BRIDGE TO PREVENT POSSIBLE DAMAGE.
8. PROPOSED TECH DUPLEX WORK OUTLET INSIDE PPC CABINET.
9. PROPOSED PVC FLEX CONDUIT FROM PPC POWER PANEL TO LED FLOOD LIGHT SWITCH.
10. PROPOSED 1-1/4" TELCO CONDUIT FROM FIBER N.I.U. TO PPC CABINET TELCO CHAMBER.
11. ALL TRENCHING REQUIRED W/IN COMPOUND SHALL BE PERFORMED BY HAND-DIGGING ONLY. SEPARATION DIMENSIONS TO BE VERIFIED W/ LOCAL UTILITY COMPANY REQUIREMENTS.
12. ALL BURIED CONDUIT SHALL BE PVC SCHEDULE 80. ALL EXPOSED CONDUIT ROUTED ABOVE THE EXISTING CONCRETE SLAB SHALL BE GALVANIZED RGS, ON 1-5/8" UNISTRUT OR EQUIVALENT.



1. THE ELEVATION AND LOCATION OF THE GPS ANTENNA SHALL BE IN ACCORDANCE WITH THE FINAL RF REPORT.
2. THE GPS ANTENNA MOUNT IS DESIGNED TO FASTEN TO A STANDARD 1-1/4" O.D. SCHEDULE 40, GALVANIZED STEEL OR STAINLESS STEEL PIPE. THE PIPE MUST NOT BE THREADED AT THE ANTENNA MOUNT END. THE PIPE SHALL BE CUT TO THE REQUIRED LENGTH (MINIMUM OF 18 INCHES) USING A HAND OR ROTARY PIPE CUTTER TO ASSURE A SMOOTH AND PERPENDICULAR CUT. A HACK SAW SHALL NOT BE USED. THE CUT PIPE END SHALL BE DEBURR AND SMOOTH IN ORDER TO SEAL AGAINST THE NEOPRENE GASKET ATTACHED TO THE ANTENNA MOUNT.
3. IT IS CRITICAL THAT THE GPS ANTENNA IS MOUNTED SUCH THAT IT IS WITHIN 2 DEGREES OF VERTICAL AND THE BASE OF THE ANTENNA IS WITHIN 2 DEGREES OF LEVEL.
4. DO NOT SWEEP TEST GPS ANTENNA.

SHEET NUMBER: A-13.2

TRENCH DETAIL			1	GPS ANTENNA DETAIL			2
NOT TO SCALE				NOT TO SCALE			



PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	2	X-VFASD	SUPPORT ARM FOR STANDARD DUTY V-FRAME ASSEMBLY		45.34	90.69
2	1	X-SDTFLB	DIAGONAL SLOT WELDMENT FOR BCAM SD		15.08	15.08
3	1	X-SDMHTP	MULTI-HOLE TAPER PLATE WELDMENT		16.63	16.63
4	2	X-SDPP	PIVOT PLATE	11 1/16 in	9.09	18.18
5	2	X-LCBP2	BENT BACKING PLATE	12 in	8.86	17.73
6	1	X-SDCAMSS	STRAIGHT SLOT WELDMENT FOR BCAM		8.48	8.48
7	2	X-SPTB	SLIDING PIPE TIE BACK PLATE	5 1/2 in	5.87	11.74
8	1	X-SDCAMSP	POSITIONING PLATE WELDMENT FOR BCAM		1.43	1.43
9	2	X-TBCA	TIE BACK CLIP ANGLE		2.01	4.01
10	8	SCX1	CROSSOVER PLATE 2-3/8" X 2-3/8"	6 in	3.71	29.67
11	2	MCP	CLAMP HALF 1/2" THICK, 11-5/8" LONG	12 1/16 in	3.59	7.19
12	4	DCP	1/2" THICK, 5-3/4" CNTER TO CENTER CLAMP HALF	8 1/8 in	2.36	9.45
13	3	P2126	2-3/8" X 126" (2" SCH. 40) GALVANIZED PIPE	126 in	40.75	122.26
14	4	A34214	3/4"-10 X 2-1/4" A325 BOLT	2 1/4 in	0.47	1.89
15	4	G34FW	3/4" HDG USS FLATWASHER		0.06	0.24
16	4	G34LW	3/4" HDG LOCKWASHER		0.04	0.17
17	4	G34NUT	3/4" HDG HEAVY 2H HEX NUT		0.21	0.85
18	2	G58R-12	5/8" x 12" THREADED ROD (HDG.)		1.05	2.09
19	2	G58R-8	5/8" x 8" THREADED ROD (HDG.)		0.70	1.39
20	4	X-UB5258	5/8" X 2-5/8" X 4-1/2" X 2" U-BOLT (HDG.)		1.00	4.00
21	4	G5804	5/8" x 4" HDG HEX BOLT GR5		0.44	1.78
22	2	G5802	5/8" x 2" HDG HEX BOLT GR5		0.27	0.54
23	10	G58FW	5/8" HDG USS FLATWASHER	1/8 in	0.07	0.70
24	16	G58LW	5/8" HDG LOCKWASHER		0.03	0.42
25	18	G58NUT	5/8" HDG HEAVY 2H HEX NUT		0.13	2.34
26	8	G12R-15	1/2" x 15" THREADED ROD (HDG.)		0.84	6.69
27	36	X-UB1212	1/2" X 2-1/2" X 4-1/2" X 2" GALV. U-BOLT		0.66	23.86
28	2	G12065	1/2" x 6-1/2" HDG HEX BOLT GR5 FULL THREAD	5 1/2 in	0.41	0.82
29	1	G12045	1/2" x 4.5" HDG HEX BOLT GR5 FULL THREAD	4 1/2 in	0.30	0.30
30	8	G1202	1/2" x 2" HDG HEX BOLT GR5	2 in	0.18	1.41
31	85	G12FW	1/2" HDG USS FLATWASHER	3/32 in	0.03	2.90
32	98	G12LW	1/2" HDG LOCKWASHER	1/8 in	0.01	1.36
33	99	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	7.09
					TOTAL WT. #	413.36

					TOLERANCE NOTES TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE: SAWED, SHEARED AND GAS CUT EDGES ($\pm 0.030"$) DRILLED AND GAS CUT HOLES ($\pm 0.030"$) - NO CONING OF HOLES LASER CUT EDGES AND HOLES ($\pm 0.010"$) - NO CONING OF HOLES BENDS ARE $\pm 1/2$ DEGREE ALL OTHER MACHINING ($\pm 0.030"$) ALL OTHER ASSEMBLY ($\pm 0.060"$)			<div>DESCRIPTION</div> <div>10'-6" STANDARD DUTY V-FRAME ASSEMBLY W/ 1 STIFF ARMS</div>			<div><div><div><div>SITE PRO</div><div>1</div></div><div><div>A valmont</div><div>COMMUNITY</div></div></div><div>Locations: New York, NY Atlanta, GA Los Angeles, CA Plymouth, IN Salem, OR Dallas, TX</div><div>Engineering Support Team: 1-888-753-7446</div></div>		
A	UPDATED BCAM VERSION 1 TO BCAM VERSION 2				CEK	8/17/2018		CPD NO.	DRAWN BY CEK 6/21/2017	ENG. APPROVAL		PART NO. VFA10-SD-S	1 OF 4 PAGE
REV	DESCRIPTION OF REVISIONS				CPD	BY	DATE	CLASS 81	SUB 02	DRAWING USAGE CUSTOMER	CHECKED BY BMC 7/13/2017	DWG. NO. VFA10-SD-S	
REVISION HISTORY								PROPRIETARY NOTE: THE DATA AND TECHNIQUES CONTAINED IN THIS DRAWING ARE PROPRIETARY INFORMATION OF VALMONT INDUSTRIES AND CONSIDERED A TRADE SECRET. ANY USE OR DISCLOSURE WITHOUT THE CONSENT OF VALMONT INDUSTRIES IS STRICTLY PROHIBITED.					

PLANS PREPARED FOR:

T-Mobile

1200 CONCORD AVENUE SUITE 500
CONCORD CA 94520

PLANS PREPARED BY:

PM&A

P. MARSHALL & ASSOCIATES
6801 PORTWEST DR., SUITE 100
HOUSTON, TX 77024

OEM:

**NETWORK
CONNEX**

MLA PARTNER:

ENGINEERING SEAL:

**ISSUED
FOR
REVIEW**

DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL
AND ARE THE SOLE PROPERTY OF
T-MOBILE AND MAY NOT BE
REPRODUCED, DISSEMINATED OR
REDISTRIBUTED WITHOUT THE EXPRESS
WRITTEN CONSENT OF **T-MOBILE**.

REVISIONS:

DESCRIPTION	DATE	BY	REV
PRELIMINARY	03/07/2025	DAD	A
PRELIMINARY	05/14/2025	SM	B
PRELIMINARY	06/06/2025	SM	C

SITE NAME:

AT&T: KING CITY

SITE NUMBER:

SFL0050A

SITE ADDRESS:

51950 PINE CANYON RD
KING CITY, CA 93930

PM&A PROJECT:

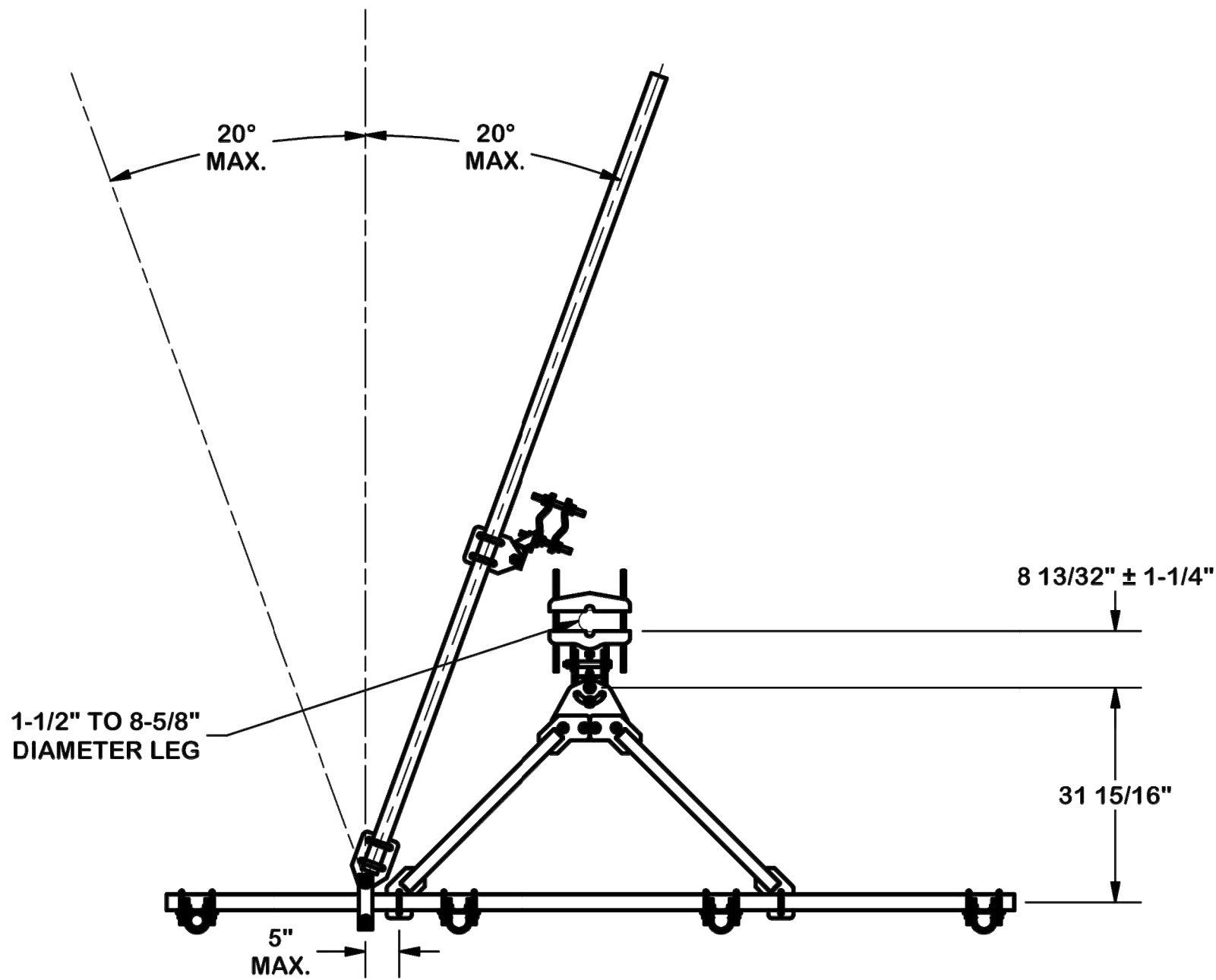
25TMO_08N-004

SHEET DESCRIPTION:

EQUIPMENT DETAILS

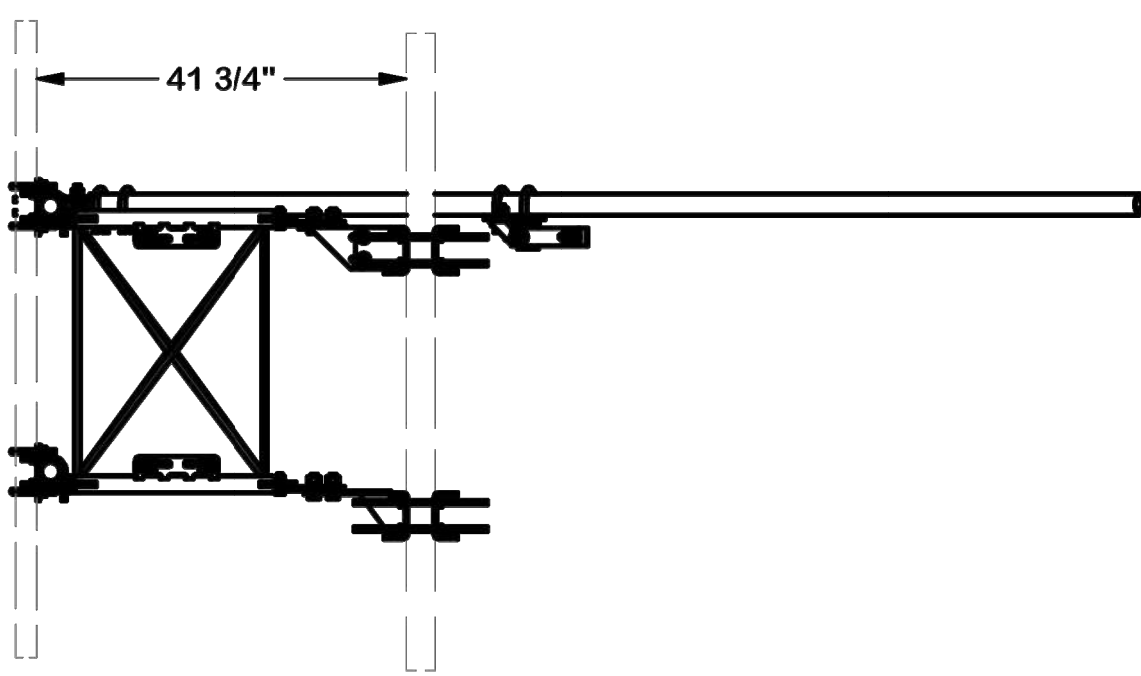
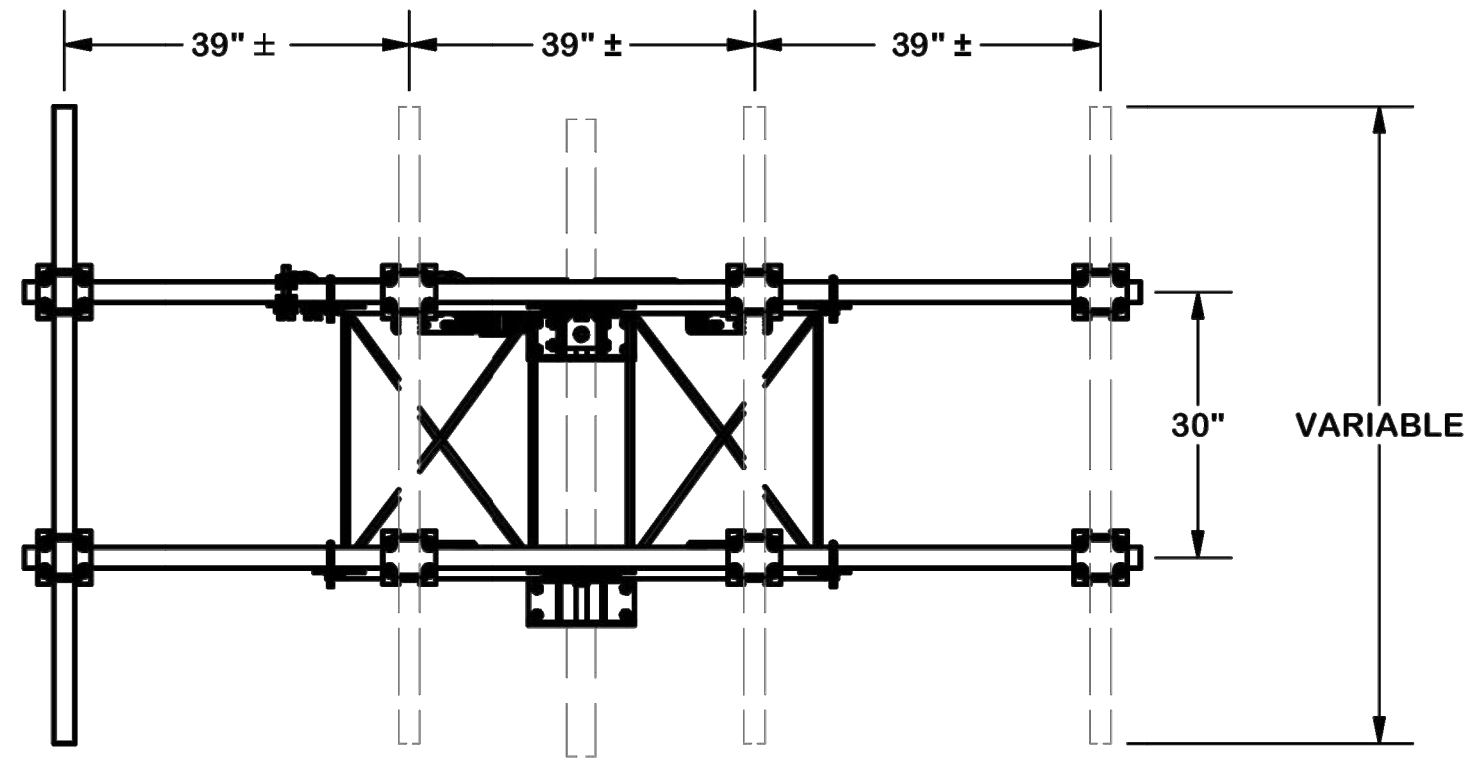
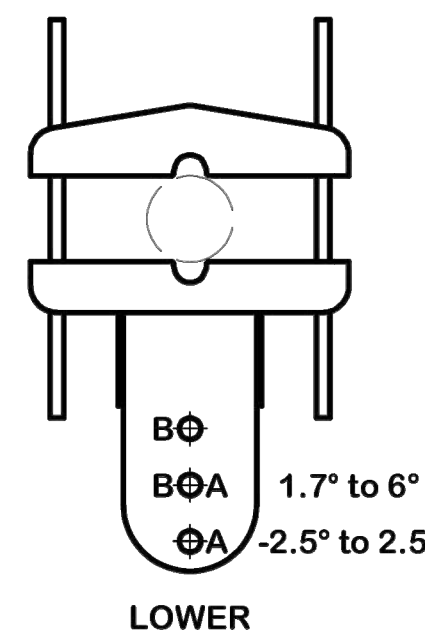
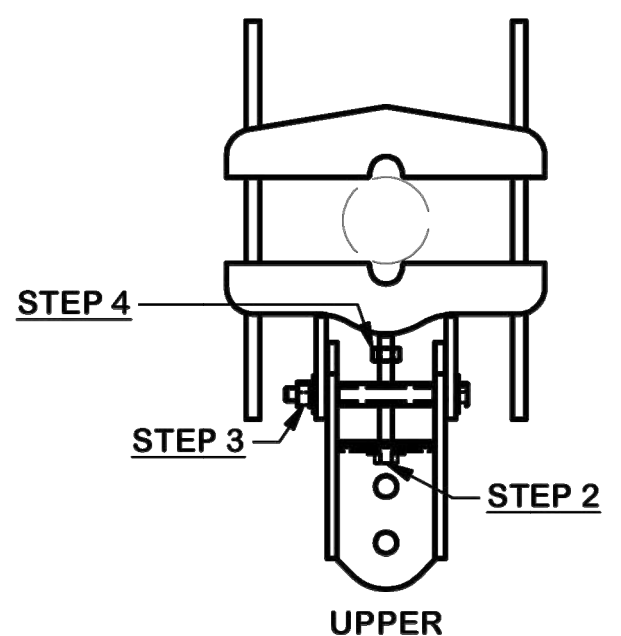
SHEET NUMBER:

A-14



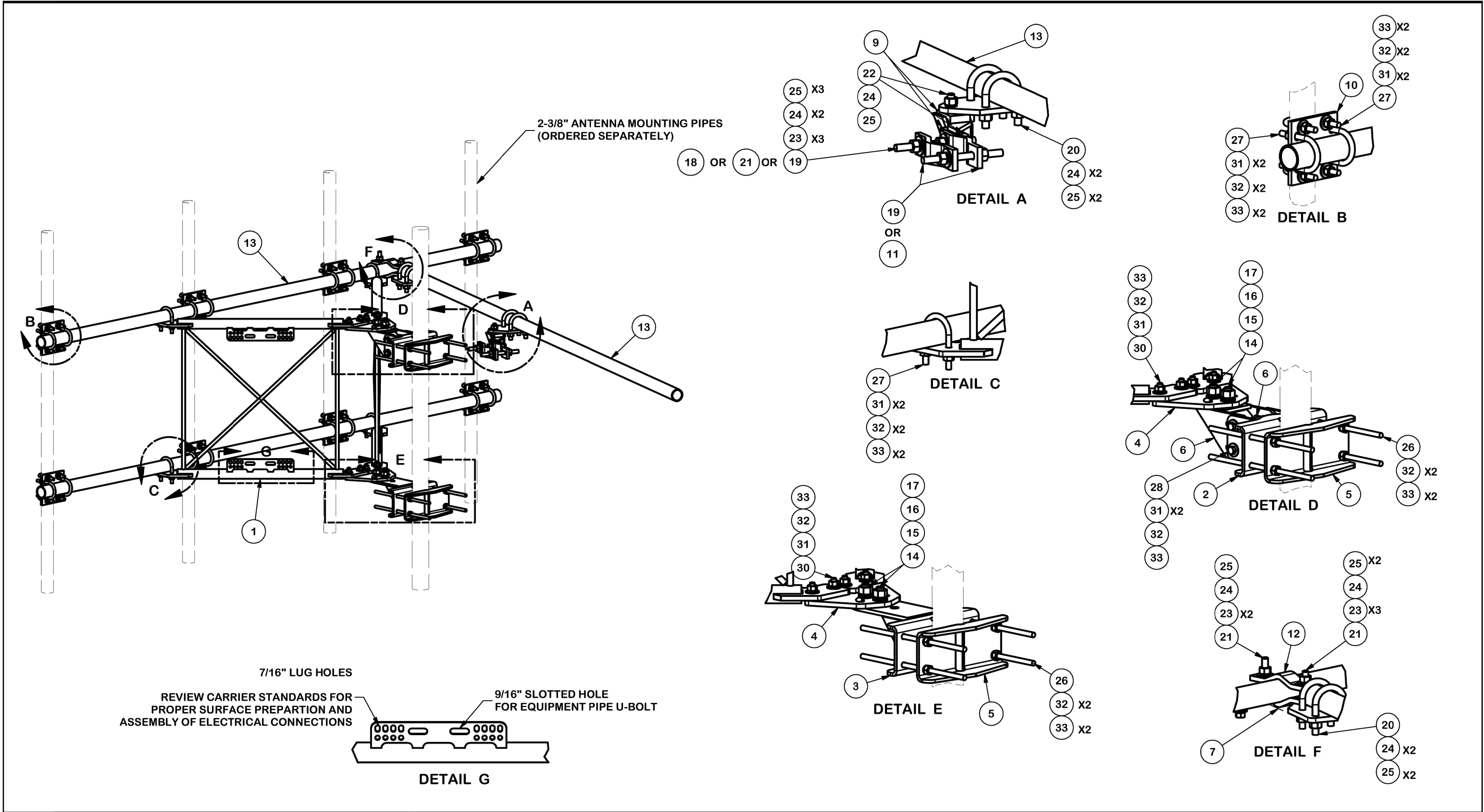
ANGLE CALIBRATING PROCEDURE:

1. MEASURE TOWER TAPER AND PICK LOWER BRACKET HOLE:
 - HOLE A = -2.5° TO 2.5°
 - HOLE B = 1.7° TO 6°
2. USE CALIBRATING BOLT TO ADJUST FRAME TO DESIRED TAPER
3. TORQUE LOCKING BOLTS TO 50 ft.-lbs.
4. ADVANCE LOCKING NUT TO POSITIONING PLATE, THEN TIGHTEN.



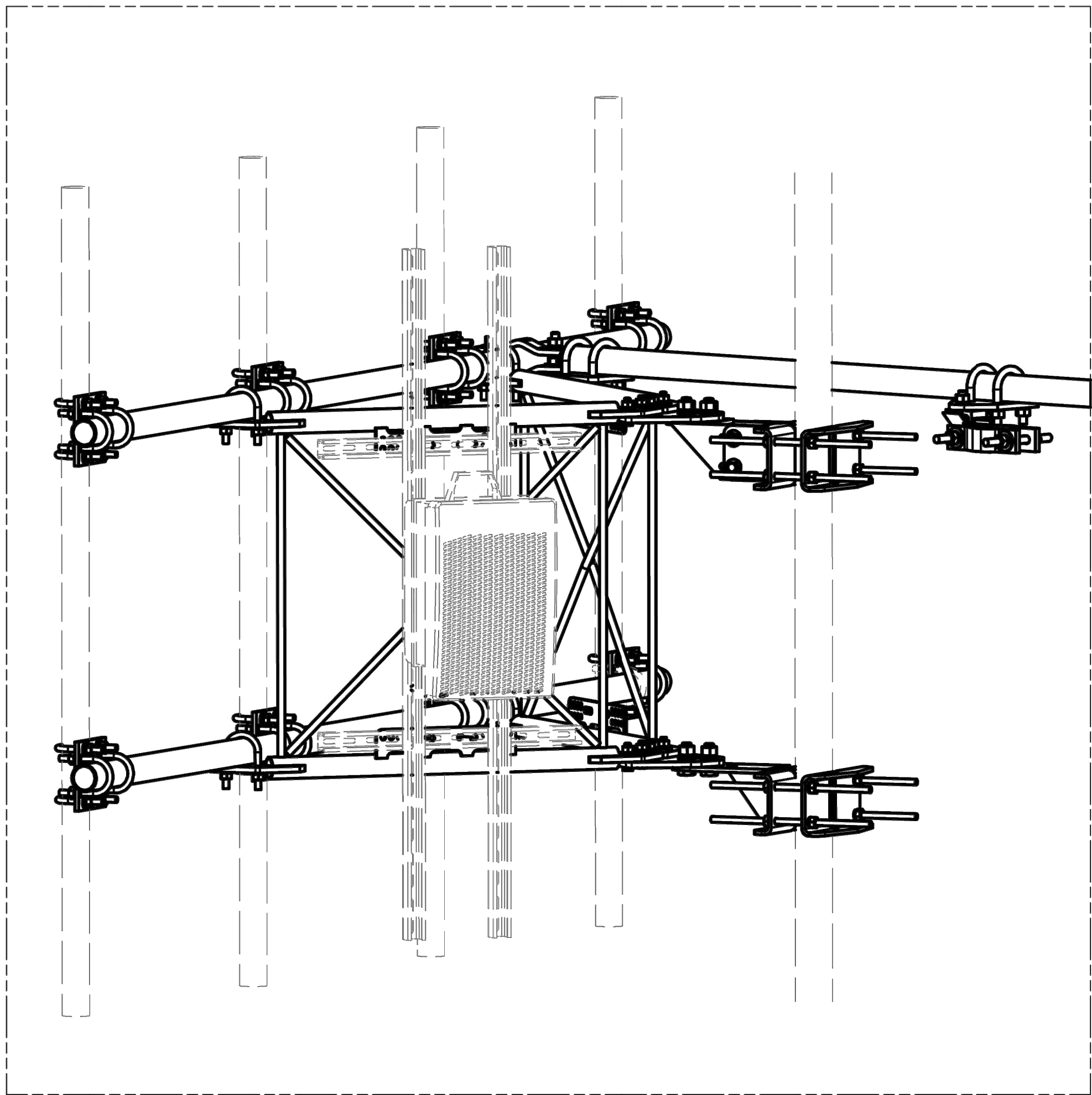
					TOLERANCE NOTES		DESCRIPTION			<div><div><div>SITE PRO 1</div><div>A valmont COMMUNITY</div></div><div>Locations: New York, NY Atlanta, GA Los Angeles, CA Plymouth, IN Salem, OR Dallas, TX</div><div>Engineering Support Team: 1-888-753-7446</div></div>			PART NO.		2 OF 4 PAGE	
					TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE: SAWED, SHEARED AND GAS CUT EDGES ($\pm 0.030"$) DRILLED AND GAS CUT HOLES ($\pm 0.030"$) - NO CONING OF HOLES LASER CUT EDGES AND HOLES ($\pm 0.010"$) - NO CONING OF HOLES BENDS ARE $\pm 1/2$ DEGREE ALL OTHER MACHINING ($\pm 0.030"$) ALL OTHER ASSEMBLY ($\pm 0.060"$)		10'-6" STANDARD DUTY V-FRAME ASSEMBLY W/ 1 STIFF ARMS						VFA10-SD-S			
					PROPRIETARY NOTE: THE DATA AND TECHNIQUES CONTAINED IN THIS DRAWING ARE PROPRIETARY INFORMATION OF VALMONT INDUSTRIES AND CONSIDERED A TRADE SECRET. ANY USE OR DISCLOSURE WITHOUT THE CONSENT OF VALMONT INDUSTRIES IS STRICTLY PROHIBITED.		CPD NO.		DRAWN BY CEK 6/21/2017		ENG. APPROVAL		DWG. NO.			
							CLASS		SUB		DRAWING USAGE		CHECKED BY			VFA10-SD-S
A	UPDATED BCAM VERSION 1 TO BCAM VERSION 2				CEK	8/17/2018	81		02		CUSTOMER		BMC 7/13/2017			
REV	DESCRIPTION OF REVISIONS			CPD	BY	DATE										
REVISION HISTORY																

REVISIONS:	DESCRIPTION	DATE	BY	REV
	PRELIMINARY	03/07/2025	DAD	A
	PRELIMINARY	05/14/2025	SM	B
	PRELIMINARY	06/06/2025	SM	C



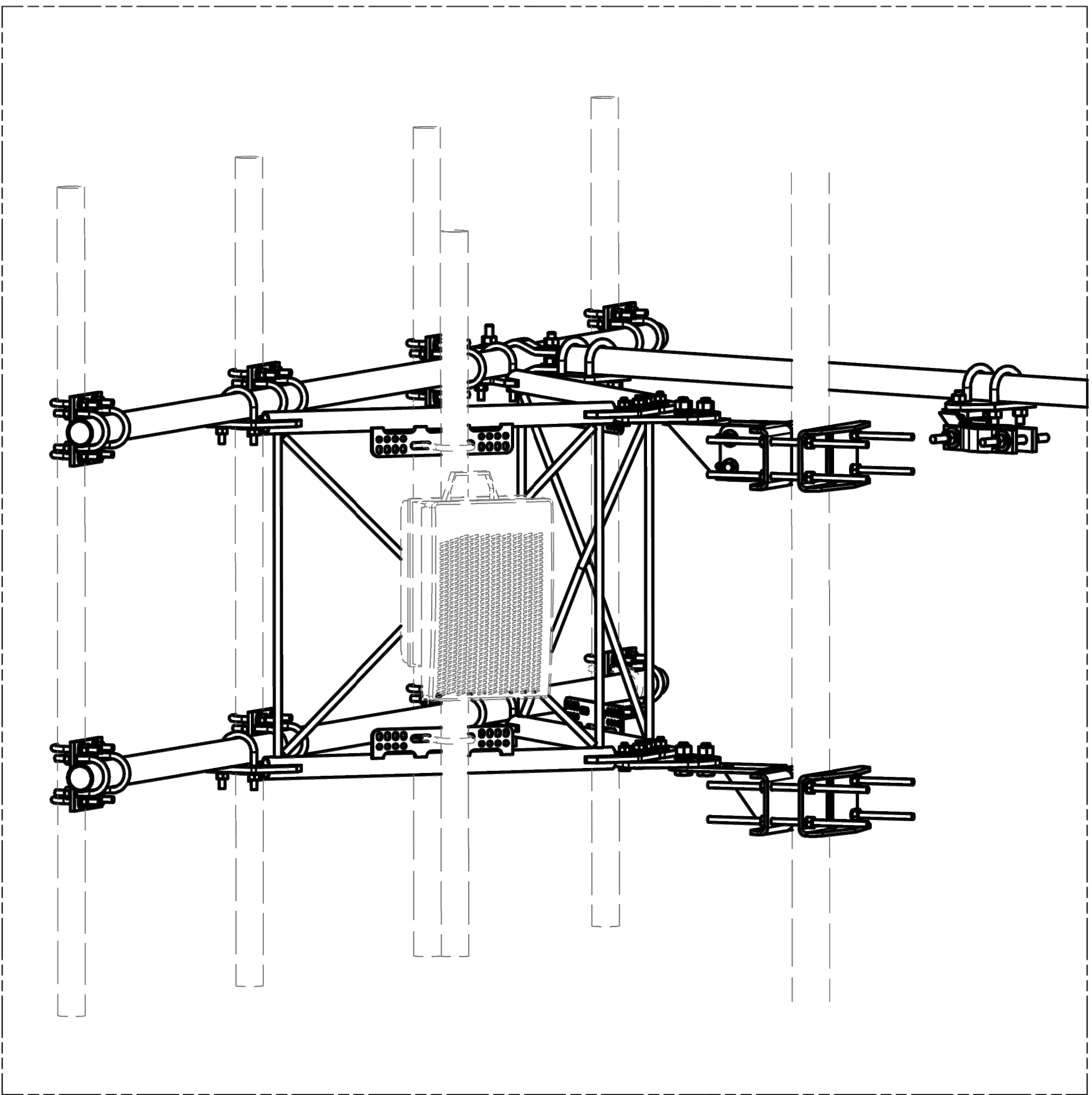
					TOLERANCE NOTES		DESCRIPTION		SITE PRO 1	
					TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE: SAWED, SHEARED AND GAS CUT EDGES ($\pm 0.030"$) DRILLED AND GAS CUT HOLES ($\pm 0.030"$) - NO CONING OF HOLES LASER CUT EDGES AND HOLES ($\pm 0.010"$) - NO CONING OF HOLES BENDS ARE $\pm 1/2$ DEGREE ALL OTHER MACHINING ($\pm 0.030"$) ALL OTHER ASSEMBLY ($\pm 0.060"$)		10'-6" STANDARD DUTY V-FRAME ASSEMBLY W/ 1 STIFF ARMS		Locations: New York, NY Atlanta, GA Los Angeles, CA Plymouth, IN Salem, OR Dallas, TX Engineering Support Team: 1-888-753-7446	
A	UPDATED BCAM VERSION 1 TO BCAM VERSION 2		CEK	8/17/2018			CPD NO.	DRAWN BY CEK 6/21/2017	ENG. APPROVAL	PART NO. VFA10-SD-S
REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE	PROPRIETARY NOTE: THE DATA AND TECHNIQUES CONTAINED IN THIS DRAWING ARE PROPRIETARY INFORMATION OF VALMONT INDUSTRIES AND CONSIDERED A TRADE SECRET. ANY USE OR DISCLOSURE WITHOUT THE CONSENT OF VALMONT INDUSTRIES IS STRICTLY PROHIBITED.		CLASS 81	SUB 02	DRAWING USAGE CUSTOMER	CHECKED BY BMC 7/13/2017
REVISION HISTORY									DWG. NO. VFA10-SD-S	

REVISIONS:	DESCRIPTION	DATE	BY	REV
	PRELIMINARY	03/07/2025	DAD	A
	PRELIMINARY	05/14/2025	SM	B
	PRELIMINARY	06/06/2025	SM	C



UNISTRUT AND HARDWARE
SOLD SEPARATELY.

REQUIRES 3/8" HARDWARE



EQUIPMENT PIPE AND HARDWARE
SOLD SEPARATELY.

REQUIRES 1/2" HARDWARE
AND 2-3/8" TO 4-1/2" O.D. PIPE

					<div><div><div>TOLERANCE NOTES</div><div>TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE: SAWED, SHEARED AND GAS CUT EDGES ($\pm 0.030''$) DRILLED AND GAS CUT HOLES ($\pm 0.030''$) - NO CONING OF HOLES LASER CUT EDGES AND HOLES ($\pm 0.010''$) - NO CONING OF HOLES BENDS ARE $\pm 1/2$ DEGREE ALL OTHER MACHINING ($\pm 0.030''$) ALL OTHER ASSEMBLY ($\pm 0.060''$)</div></div><div><div>PROPRIETARY NOTE: THE DATA AND TECHNIQUES CONTAINED IN THIS DRAWING ARE PROPRIETARY INFORMATION OF VALMONT INDUSTRIES AND CONSIDERED A TRADE SECRET. ANY USE OR DISCLOSURE WITHOUT THE CONSENT OF VALMONT INDUSTRIES IS STRICTLY PROHIBITED.</div></div></div>					<div><div>DESCRIPTION</div><div>10'-6" STANDARD DUTY V-FRAME ASSEMBLY W/ 1 STIFF ARMS</div></div>					<div><div><div><div><div>SITE PRO 1</div><div>A valmont COMPANY</div></div><div>Locations: New York, NY Atlanta, GA Los Angeles, CA Plymouth, IN Salem, OR Dallas, TX</div><div>Engineering Support Team: 1-888-753-7446</div></div></div></div>					PAGE 4 OF 4	
A	UPDATED BCAM VERSION 1 TO BCAM VERSION 2				CEK	8/17/2018		CPD NO.		DRAWN BY CEK 6/21/2017		ENG. APPROVAL		PART NO. VFA10-SD-S							
REV	DESCRIPTION OF REVISIONS				CPD	BY	DATE		CLASS SUB					DRAWING USAGE		CHECKED BY		DWG. NO.			
REVISION HISTORY													81 02		CUSTOMER		BMC 7/13/2017		VFA10-SD-S		

PLANS PREPARED FOR:

T

Mobile

1200 CONCORD AVENUE SUITE 500
CONCORD CA 94520

PLANS PREPARED BY:

PM&A

P. MARSHALL & ASSOCIATES
6801 PORTWEST DR., SUITE 100
HOUSTON, TX 77024

OEM:

NETWORK
CONNEX

MLA PARTNER:

ENGINEERING SEAL:

ISSUED
FOR
REVIEW

DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL
AND ARE THE SOLE PROPERTY OF
T-MOBILE AND MAY NOT BE
REPRODUCED, DISSEMINATED OR
REDISTRIBUTED WITHOUT THE EXPRESS
WRITTEN CONSENT OF T-MOBILE.

REVISIONS:	DESCRIPTION	DATE	BY	REV
	PRELIMINARY	03/07/2025	DAD	A
	PRELIMINARY	05/14/2025	SM	B
	PRELIMINARY	06/06/2025	SM	C

SITE NAME:

AT&T: KING CITY

SITE NUMBER:

SFL0050A

SITE ADDRESS:

51950 PINE CANYON RD
KING CITY, CA 93930

PM&A PROJECT:

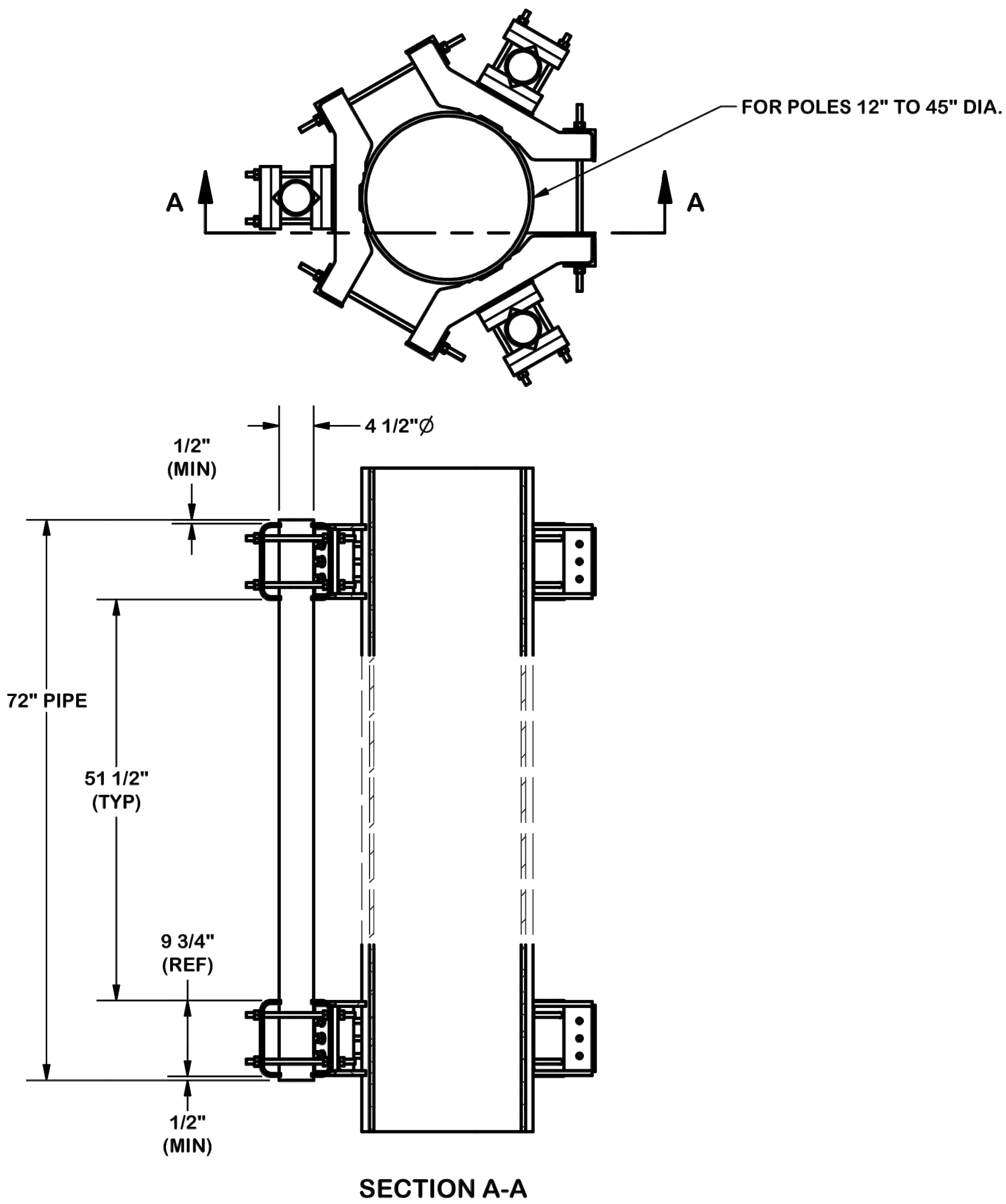
25TMO_08N-004

SHEET DESCRIPTION:

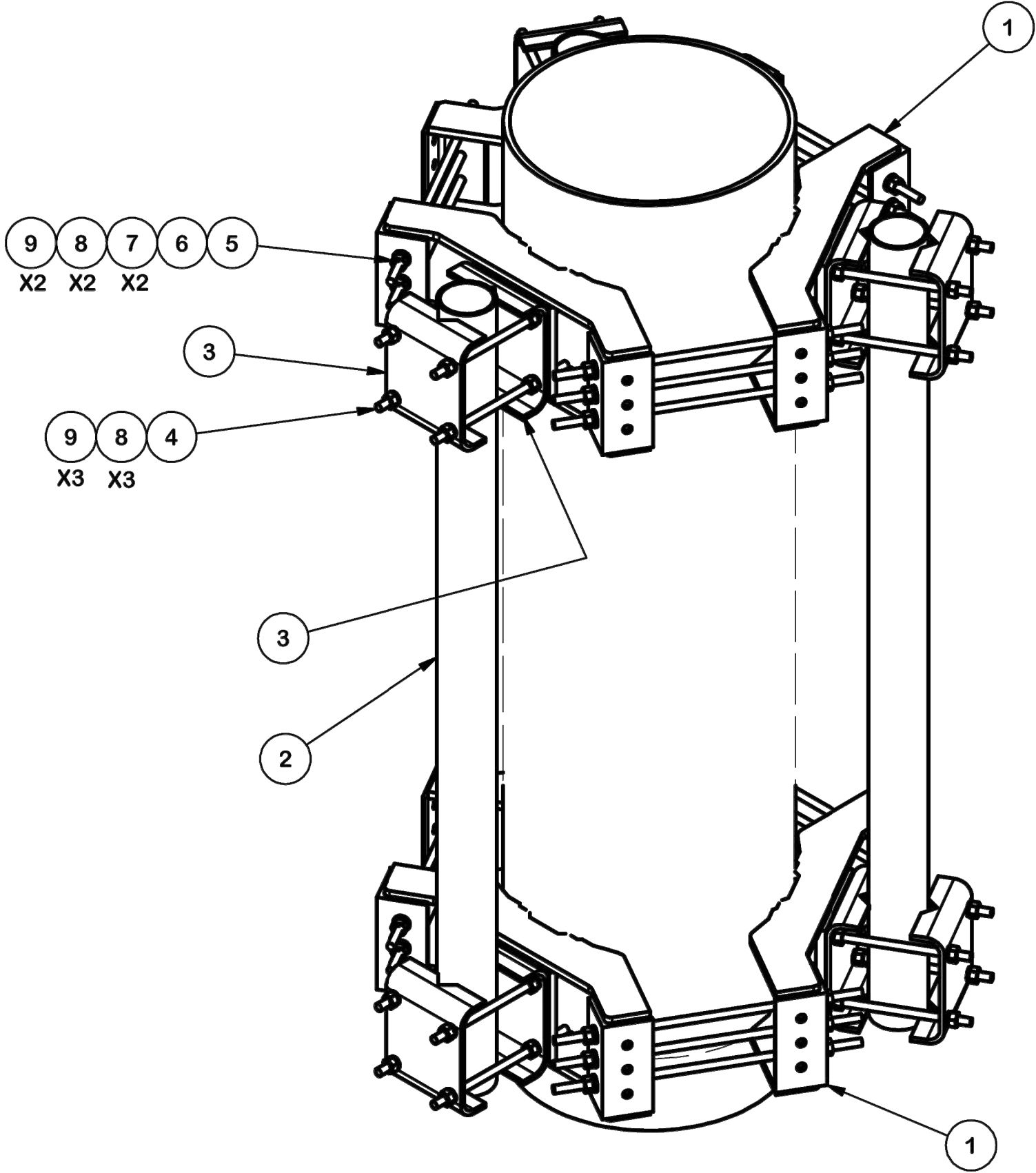
EQUIPMENT DETAILS

SHEET NUMBER:

A-14.3



PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT
1	6	X-LWRM	RING MOUNT WELDMENT		68.16	408.96
2	3	P472	4-1/2" X 72" SCH. 40 GALVANIZED PIPE	72 in	64.89	194.68
3	12	X-214130	BENT PLATE V-CLAMP	12 5/8 in	11.43	137.16
4	24	G58R-14	5/8" x 14" THREADED ROD (HDG.)	14 in	0.40	9.57
5	18	G58R-48	5/8" x 48" THREADED ROD (HDG.)	48 in	.55	9.90
6	18	G58R-24	5/8" x 24" THREADED ROD (HDG.)	24 in	.55	9.90
7	36	A58FW	5/8" HDG A325 FLATWASHER		.03	1.08
8	108	G58LW	5/8" HDG LOCKWASHER		0.03	3.24
9	108	A58NUT	5/8" HDG A325 HEX NUT		0.13	14.04
TOTAL WT. #						788.53



TOLERANCE NOTES

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
SAWED, SHEARED AND GAS CUT EDGES ($\pm 0.030"$)
DRILLED AND GAS CUT HOLES ($\pm 0.030"$) - NO CONING OF HOLES
LASER CUT EDGES AND HOLES ($\pm 0.010"$) - NO CONING OF HOLES
BENDS ARE $\pm 1/2$ DEGREE
ALL OTHER MACHINING ($\pm 0.030"$)
ALL OTHER ASSEMBLY ($\pm 0.060"$)

PROPRIETARY NOTE:
THE DATA AND TECHNIQUES CONTAINED IN THIS DRAWING ARE PROPRIETARY INFORMATION OF VALMONT INDUSTRIES AND CONSIDERED A TRADE SECRET. ANY USE OR DISCLOSURE WITHOUT THE CONSENT OF VALMONT INDUSTRIES IS STRICTLY PROHIBITED.

DESCRIPTION			
MONOPOLE SECTOR FRAME ATTACHMENT ASSEMBLY			
CPD NO.	DRAWN BY	ENG. APPROVAL	PART NO.
	KC8 3/18/2016	3RD PARTY	MSFAA
CLASS	SUB	DRAWING USAGE	CHECKED BY
01	01	CUSTOMER	BMC 5/2/2016

SITE PRO 1		Locations: New York, NY Atlanta, GA Los Angeles, CA Plymouth, IN Salem, OR Dallas, TX
A valmont COMPANY		Engineering Support Team: 1-888-753-7446
MSFAA		MSFAA

PAGE 1 OF 1

PLANS PREPARED FOR:

T-Mobile
1200 CONCORD AVENUE SUITE 500
CONCORD CA 94520

PLANS PREPARED BY:

PM&A
P. MARSHALL & ASSOCIATES

6801 PORTWEST DR., SUITE 100
HOUSTON, TX 77024

OEM:

NETWORK CONNEX

MLA PARTNER:

ENGINEERING SEAL:

ISSUED FOR REVIEW

DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF T-MOBILE AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF T-MOBILE.

REVISIONS:

DESCRIPTION	DATE	BY	REV
PRELIMINARY	03/07/2025	DAD	A
PRELIMINARY	05/14/2025	SM	B
PRELIMINARY	06/06/2025	SM	C

SITE NAME:

AT&T: KING CITY

SITE NUMBER:

SFL0050A

SITE ADDRESS:

51950 PINE CANYON RD
KING CITY, CA 93930

PM&A PROJECT:

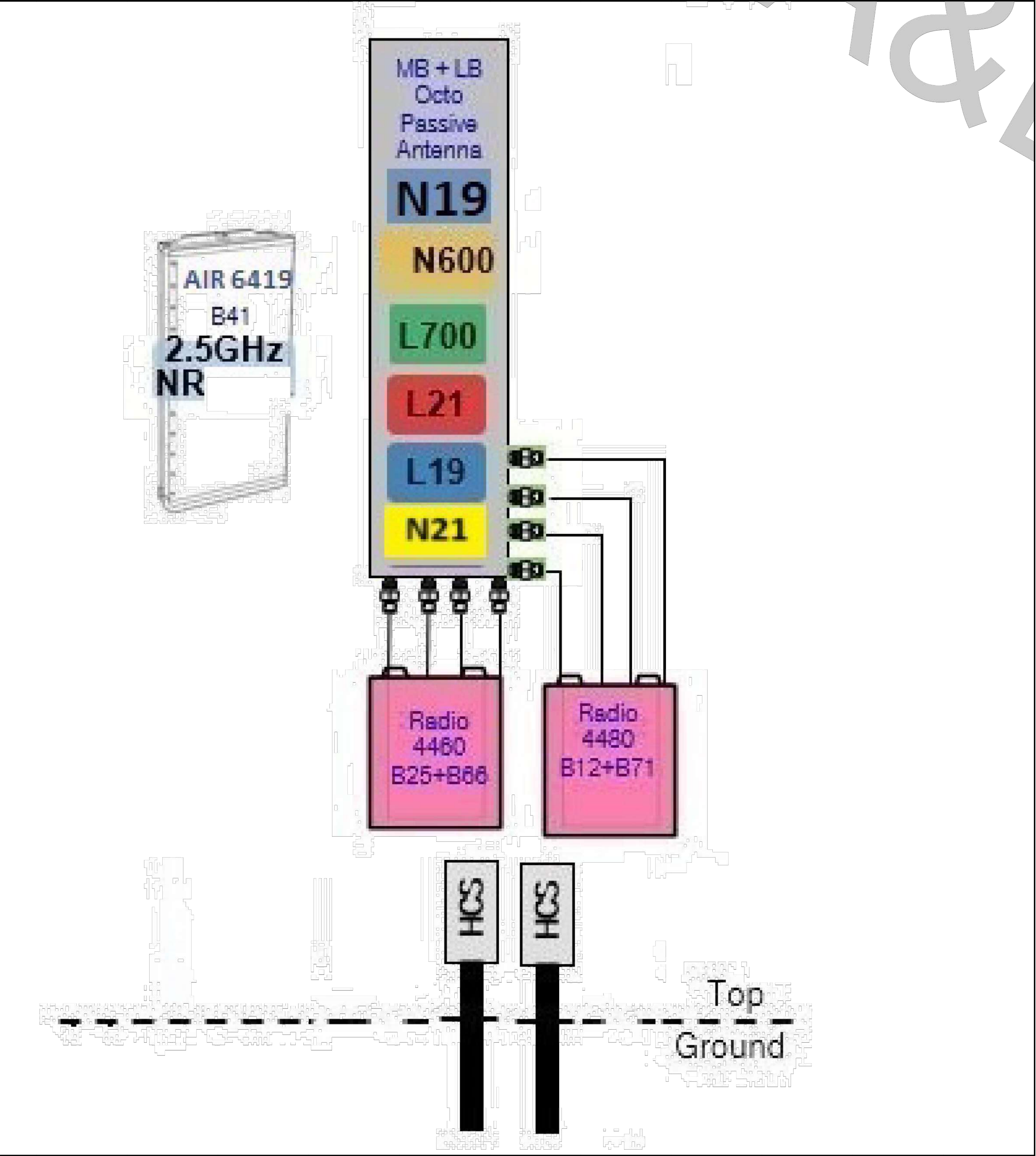
25TMO_08N-004

SHEET DESCRIPTION:

EQUIPMENT DETAILS

SHEET NUMBER:

A-14.4



Notes:

PLANS PREPARED FOR:

Mobile

1200 CONCORD AVENUE SUITE 500
CONCORD CA 94520

PLANS PREPARED BY:

P. MARSHALL & ASSOCIATES

6801 PORTWEST DR., SUITE 100
HOUSTON, TX 77024

OEM:

MLA PARTNER:

ENGINEERING SEAL:

ISSUED
FOR
REVIEW

DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF T-MOBILE AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF T-MOBILE.

REVISIONS:

DESCRIPTION	DATE	BY	REV
PRELIMINARY	03/07/2025	DAD	A
PRELIMINARY	05/14/2025	SM	B
PRELIMINARY	06/06/2025	SM	C

SITE NAME:

AT&T: KING CITY

SITE NUMBER:

SFL0050A

SITE ADDRESS:

51950 PINE CANYON RD
KING CITY, CA 93930

PM&A PROJECT:

25TMO_08N-004

SHEET DESCRIPTION:

PLUMBING DIAGRAM

SHEET NUMBER:

RF-1

GENERAL ELECTRICAL NOTES:

1. ALL ELECTRICAL WORK SHALL COMPLY WITH NEC, STATE, AND LOCAL CODES.
2. CONTRACTOR SHALL OBTAIN OWNER/TENANT SPECIFICATIONS AND REVIEW FOR ADDITIONAL DETAILS AND REQUIREMENTS THAT MAY NOT BE SHOWN IN THESE DRAWINGS. CONTRACTOR SHALL COMPLY WITH ANY ADDITIONAL OWNER/TENANT SPECIFICATIONS AND REQUIREMENTS.
3. CONTRACTOR SHALL COORDINATE WITH THE ELECTRIC UTILITY FOR THE EXACT TRANSFORMER LOCATION, METERING REQUIREMENTS, AND SERVICE ROUTING. CONTRACTOR SHALL COORDINATE WITH THE TELEPHONE UTILITY FOR THE EXACT TELEPHONE REQUIREMENTS AND SERVICE ROUTING.
4. PRIOR TO PURCHASING EQUIPMENT, THE CONTRACTOR SHALL CONTACT THE ELECTRIC UTILITY AND OBTAIN IN WRITING THE MAXIMUM AVAILABLE FAULT CURRENT AT THE UTILITY SERVICE POINT. PROVIDE MAX AFC SIGNAGE AS REQUIRED PER NEC 110.24 . THE CONTRACTOR SHALL ENSURE ALL ELECTRICAL EQUIPMENT, CIRCUIT BREAKERS, DISCONNECTS, FUSES, AND PANELBOARDS HAVE A FAULT CURRENT INTERRUPTING RATING GREATER THAN THE AVAILABLE FAULT CURRENT. IN NO CASE SHALL THE FAULT CURRENT INTERRUPTING RATING BE LESS THAN 10,000 AMPS.
5. CONTRACTOR TO PROVIDE 2-200 LB TEST POLYETHYLENE PULL CORDS SECURELY FASTENED AT EACH END OF POWER AND TELCO CONDUIT. PROVIDE CAPS ON ENDS OF UNUSED CONDUIT.
6. CONTRACTOR TO PROVIDE A REBAR MARKER WITH AT LEAST 2 FEET EXPOSED ABOVE GRADE AND PAINTED BRIGHT ORANGE TO INDICATE LOCATION OF CONDUIT CAPPED BELOW GRADE.
7. PRIOR TO TRENCHING, CONTRACTOR SHALL LOCATE ALL EXISTING UNDERGROUND UTILITIES. CONTRACTOR SHALL REPAIR AT CONTRACTOR'S EXPENSE ANY DAMAGE TO EXISTING UTILITIES.
8. CONTRACTOR TO VERIFY EXACT ROUTING OF POWER AND TELCO CONDUIT WITH LOCAL UTILITIES AND OWNER/TENANT. ENSURE ALL CONDUIT STUB-UPS ACCOMMODATE EQUIPMENT REQUIREMENTS.
9. UNDERGROUND CONDUITS SHALL BE SCHEDULE 40 PVC UNLESS NOTED OTHERWISE. USE SCHEDULE 80 PVC UNDER ROADS. USE LONG-SWEEP RIGID GALVANIZED STEEL (RGS) FOR ELBOWS. USE RGS FOR RISERS TO EQUIPMENT. MANUFACTURED BENDS SHALL HAVE A MINIMUM RADIUS OF 36" FOR CONDUIT .
10. CONDUIT RUNS SHALL HAVE A CONTINUOUS SLOPE DOWNWARD AND AWAY FROM THE EQUIPMENT TO ALLOW WATER TO FLOW AWAY FROM THE EQUIPMENT AND SHELTER. EXCAVATE TRENCHES ALONG STRAIGHT LINES PRIOR TO INSTALLING CONDUIT TO ACCOMMODATE ADJUSTING THE ELEVATION , AS NEEDED.
11. CONDUIT ENTERING EQUIPMENT SHALL BE SEALED WITH A SEALANT THAT IS IDENTIFIED FOR USE WITH THE CABLE/CONDUCTOR INSULATION, SHIELDING, ETC.
12. THE OWNER SHALL FURNISH AND THE CONTRACTOR SHALL INSTALL ADDITIONAL SIGNAGE TO BE LOCATED AT THE COMPOUND FENCE. CONTRACTOR SHALL COORDINATE WITH OWNER/TENANT ECO-SITE CONSTRUCTION MANAGER FOR PLACEMENT OF SIGNAGE.
13. UPON COMPLETION OF CONSTRUCTION, CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE CAUSED BY CONSTRUCTION ACTIVITIES TO THE LANDSCAPING AREA.
14. CONTRACTOR SHALL PROVIDE A LABEL TO READ: "OPENING THE SHELTER DISCONNECT WILL CAUSE THE SHELTER GENERATOR TO START. TO REMOVE POWER ENTIRELY FROM THE SHELTER, THE GENERATOR MUST BE TURNED OFF AND THE GENERATOR BREAKER MUST BE OPENED."
15. CONTRACTOR SHALL ENSURE A MINIMUM 3' CLEARANCE IN FRONT OF ELECTRICAL PANELS PER NEC.
16. ALL ELECTRICAL MATERIALS, DEVICES, APPLIANCES AND EQUIPMENT SHALL BE LABEL LISTED BY AN APPROVED THIRD PARTY TESTING AGENCY.
17. ALL EQUIPMENT SHALL BE NEMA 3R RATED.
18. ALL EQUIPMENT SHALL BE LIGHTNING PROTECTED IN ACCORDANCE WITH TIA-222-G AND T-MOBILE STANDARDS.
19. CONDUCTOR SIZES AND DISTANCES HAVE BEEN SIZED FOR 3% MAX VOLTAGE DROP (TOTAL SYSTEM VOLTAGE DROP ON BOTH FEEDERS AND BRANCH CIRCUITS TO THE FARTHEST DEMAND SHALL NOT EXCEED 5%).
20. WIRE SIZING AND MAXIMUM DISTANCE FROM GENERATOR TO PPC ASSUMES POWER FACTOR OF 0.9.
21. BELOW GRADE CONDUIT SHALL BE SCHEDULE 40 PVC. ABOVE GRADE CONDUIT SHALL BE GALVANIZED RIGID CONDUIT. BELOW GRADE PVC CONDUIT SHALL TRANSITION TO GRC PRIOR TO RISING ABOVE GRADE. ALL BENDS SHALL HAVE A MINIMUM 24" RADIUS. ALL FITTINGS SHALL BE SUITABLE FOR USE WITH THREADED RIGID CONDUIT. VERIFY CONDUIT TYPE WITH LOCAL CONSTRUCTION MANAGER AND ADJUST IF NECESSARY. ALL CONDUIT SHALL MEET NEC, STATE, AND LOCAL CODE REQUIREMENTS AS REQUIRED.

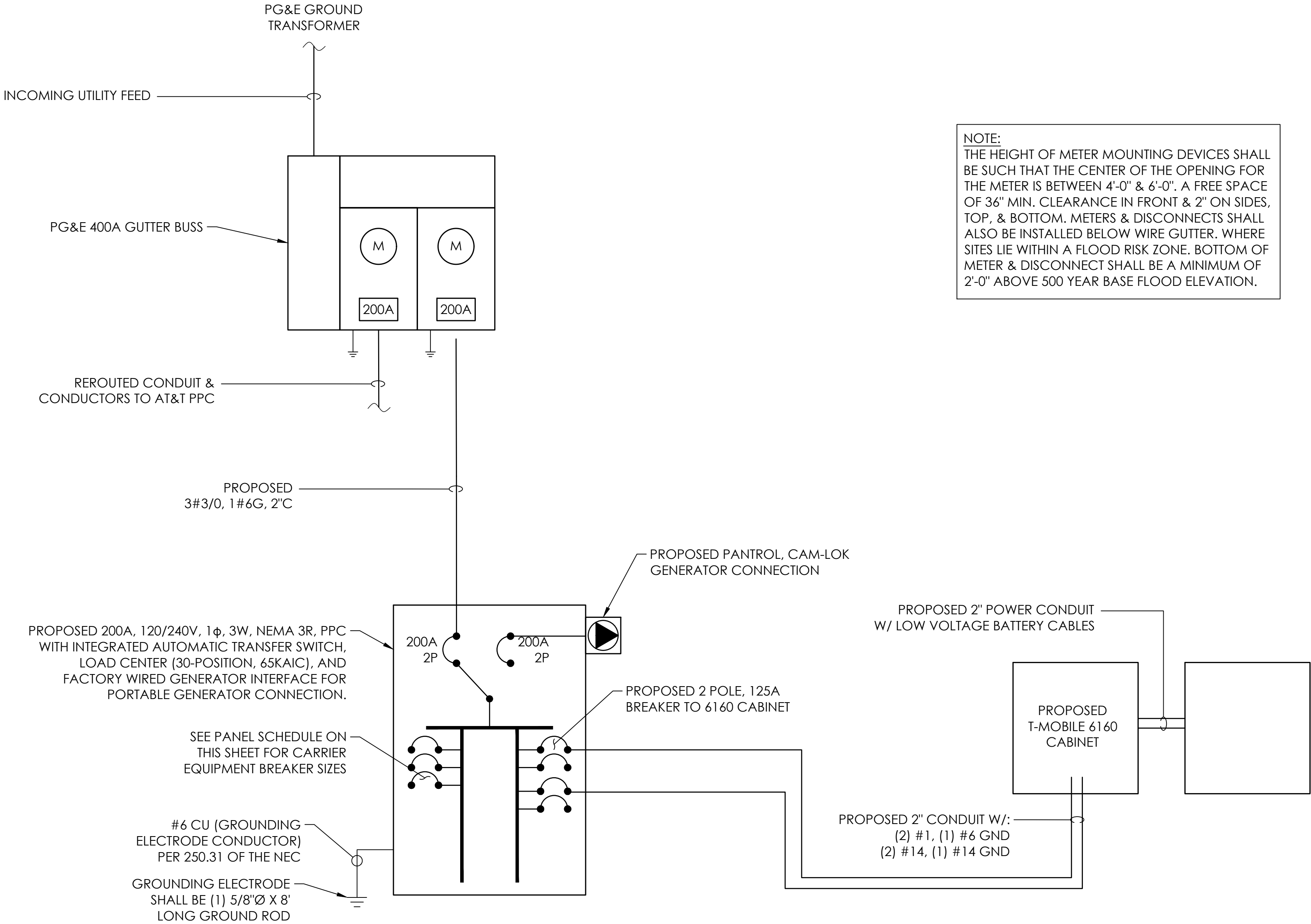
T-MOBILE SITE #:				LOCATION:		VOLTAGE: 240/120 1Ø						ENCLOSURE: NEMA3R																																																																
SFL0050A				T-MOBILE PLATFORM UTILITY FRAME		MAIN C/B: 200 AMPS						AVAIL. FAULT CURRENT:																																																																
3/7/2025						BUS RATING: 200 AMPS						SHORT CIRCUIT RATING: 65,000																																																																
AMPS/ POLES	WIRE & CONDUIT	TYPE	DESCRIPTION			KVA	CKT	A		B	CKT	KVA	DESCRIPTION	TYPE	WIRE & CONDUIT	AMPS/ POLES																																																												
-	-	EQ	-			0.10	1	8.74			2	8.64	RBS 6160 V2 AC CABINET	EQ	(2) #1, (1) #6 GND, 2" C	125/2																																																												
60/2	(3) #6, (1) #10 GND, 3/4" C	EQ	SURGE			0.10	3			8.74	4	8.64	-	EQ	-	-																																																												
20/2	(2) #12, (1) #12 GND, 1/2" C	R	GFCI			0.18	5	0.36			6	0.18	RBS 6160 GFCI	R	(2) #12, (1) #12 GND, 1/2" C	20/1																																																												
20/2	(2) #12, (1) #12 GND, 1/2" C	L	TECH LIGHT			0.50	7			0.50	8		KNOCKOUT																																																															
			KNOCKOUT				9				10		KNOCKOUT																																																															
			KNOCKOUT				11				12		KNOCKOUT																																																															
			KNOCKOUT				13				14		KNOCKOUT																																																															
			KNOCKOUT				15				16		KNOCKOUT																																																															
			KNOCKOUT				17				18		KNOCKOUT																																																															
			KNOCKOUT				19				20		KNOCKOUT																																																															
			KNOCKOUT				21				22		KNOCKOUT																																																															
			KNOCKOUT				23				24		KNOCKOUT																																																															
			KNOCKOUT				25				26		KNOCKOUT																																																															
			KNOCKOUT				27				28		KNOCKOUT																																																															
			KNOCKOUT				29				30		KNOCKOUT																																																															
						PHASE TOTAL		9.1		9.2	KVA																																																																	
<table><tr><td colspan="10">TOTAL CONNECTED LOAD</td><td colspan="2">18.3 KVA</td><td colspan="2">76 A</td></tr><tr><td colspan="10">TOTAL DEMAND LOAD</td><td colspan="2">22.8 KVA</td><td colspan="2">95 A</td></tr></table>																	TOTAL CONNECTED LOAD										18.3 KVA		76 A		TOTAL DEMAND LOAD										22.8 KVA		95 A																																	
TOTAL CONNECTED LOAD										18.3 KVA		76 A																																																																
TOTAL DEMAND LOAD										22.8 KVA		95 A																																																																
<table><tr><th rowspan="2">LOAD TYPE</th><th rowspan="2">DESCRIPTION</th><th colspan="2">CONN. LOAD</th><th rowspan="2">DEMAND FACTOR</th><th colspan="2">DESIGN LOAD</th></tr><tr><th>KVA</th><th>AMPS</th><th>KVA</th><th>AMPS</th></tr><tr><td>L</td><td>LIGHTING</td><td>0.5</td><td>2.1</td><td>1.25</td><td>0.6</td><td>2.6</td></tr><tr><td>R</td><td>RECEPTACLE</td><td>0.4</td><td>1.5</td><td>NEC</td><td>0.4</td><td>1.5</td></tr><tr><td>M</td><td>MOTOR</td><td>0.0</td><td>0.0</td><td>NEC</td><td>0.0</td><td>0.0</td></tr><tr><td>H</td><td>HEATING</td><td>0.0</td><td>0.0</td><td>1.00</td><td>0.0</td><td>0.0</td></tr><tr><td>AC</td><td>HVAC</td><td>0.0</td><td>0.0</td><td>1.00</td><td>0.0</td><td>0.0</td></tr><tr><td>EQ</td><td>EQUIPMENT</td><td>17.5</td><td>72.8</td><td>1.25</td><td>21.9</td><td>91.0</td></tr><tr><td>E</td><td>EXISTING</td><td>0.0</td><td>0.0</td><td>1.25</td><td>0.0</td><td>0.0</td></tr></table>																	LOAD TYPE	DESCRIPTION	CONN. LOAD		DEMAND FACTOR	DESIGN LOAD		KVA	AMPS	KVA	AMPS	L	LIGHTING	0.5	2.1	1.25	0.6	2.6	R	RECEPTACLE	0.4	1.5	NEC	0.4	1.5	M	MOTOR	0.0	0.0	NEC	0.0	0.0	H	HEATING	0.0	0.0	1.00	0.0	0.0	AC	HVAC	0.0	0.0	1.00	0.0	0.0	EQ	EQUIPMENT	17.5	72.8	1.25	21.9	91.0	E	EXISTING	0.0	0.0	1.25	0.0	0.0
LOAD TYPE	DESCRIPTION	CONN. LOAD		DEMAND FACTOR	DESIGN LOAD																																																																							
		KVA	AMPS		KVA	AMPS																																																																						
L	LIGHTING	0.5	2.1	1.25	0.6	2.6																																																																						
R	RECEPTACLE	0.4	1.5	NEC	0.4	1.5																																																																						
M	MOTOR	0.0	0.0	NEC	0.0	0.0																																																																						
H	HEATING	0.0	0.0	1.00	0.0	0.0																																																																						
AC	HVAC	0.0	0.0	1.00	0.0	0.0																																																																						
EQ	EQUIPMENT	17.5	72.8	1.25	21.9	91.0																																																																						
E	EXISTING	0.0	0.0	1.25	0.0	0.0																																																																						
* ALL EQUIPMENT LOADS CONSIDERED CONTINUOUS LOADS																																																																												

LOAD TYPE	DESCRIPTION	CONN. LOAD		DEMAND FACTOR	DESIGN LOAD	
		KVA	AMPS		KVA	AMPS
L	LIGHTING	0.5	2.1	1.25	0.6	2.6
R	RECEPTACLE	0.4	1.5	NEC	0.4	1.5
M	MOTOR	0.0	0.0	NEC	0.0	0.0
H	HEATING	0.0	0.0	1.00	0.0	0.0
AC	HVAC	0.0	0.0	1.00	0.0	0.0
EQ	EQUIPMENT	17.5	72.8	1.25	21.9	91.0
E	EXISTING	0.0	0.0	1.25	0.0	0.0

* ALL EQUIPMENT LOADS CONSIDERED CONTINUOUS LOADS

PANEL SCHEDULE

NOT TO SCALE



NOTE:
THE HEIGHT OF METER MOUNTING DEVICES SHALL BE SUCH THAT THE CENTER OF THE OPENING FOR THE METER IS BETWEEN 4'-0" & 6'-0". A FREE SPACE OF 36" MIN. CLEARANCE IN FRONT & 2" ON SIDES, TOP, & BOTTOM. METERS & DISCONNECTS SHALL ALSO BE INSTALLED BELOW WIRE GUTTER, WHERE SITES LIE WITHIN A FLOOD RISK ZONE. BOTTOM OF METER & DISCONNECT SHALL BE A MINIMUM OF 2'-0" ABOVE 500 YEAR BASE FLOOD ELEVATION.

ONE-LINE DIAGRAM, PANEL SCEDULE & LOAD ANALYSIS

1

NOT TO SCALE

PLANS PREPARED FOR:

T-Mobile
1200 CONCORD AVENUE SUITE 500
CONCORD CA 94520

PLANS PREPARED BY:

PM&A
P. MARSHALL & ASSOCIATES
6801 PORTWEST DR., SUITE 100
HOUSTON, TX 77024

OEM:

**NETWORK
CONNEX**

MLA PARTNER:

ENGINEERING SEAL:

**ISSUED
FOR
REVIEW**

DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF **T-MOBILE** AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF **T-MOBILE**.

REVISIONS:

DESCRIPTION	DATE	BY	REV
PRELIMINARY	03/07/2025	DAD	A
PRELIMINARY	05/14/2025	SM	B
PRELIMINARY	06/06/2025	SM	C

SITE NAME:

AT&T: KING CITY

SITE NUMBER:

SFL0050A

SITE ADDRESS:

**51950 PINE CANYON RD
KING CITY, CA 93930**

PM&A PROJECT:

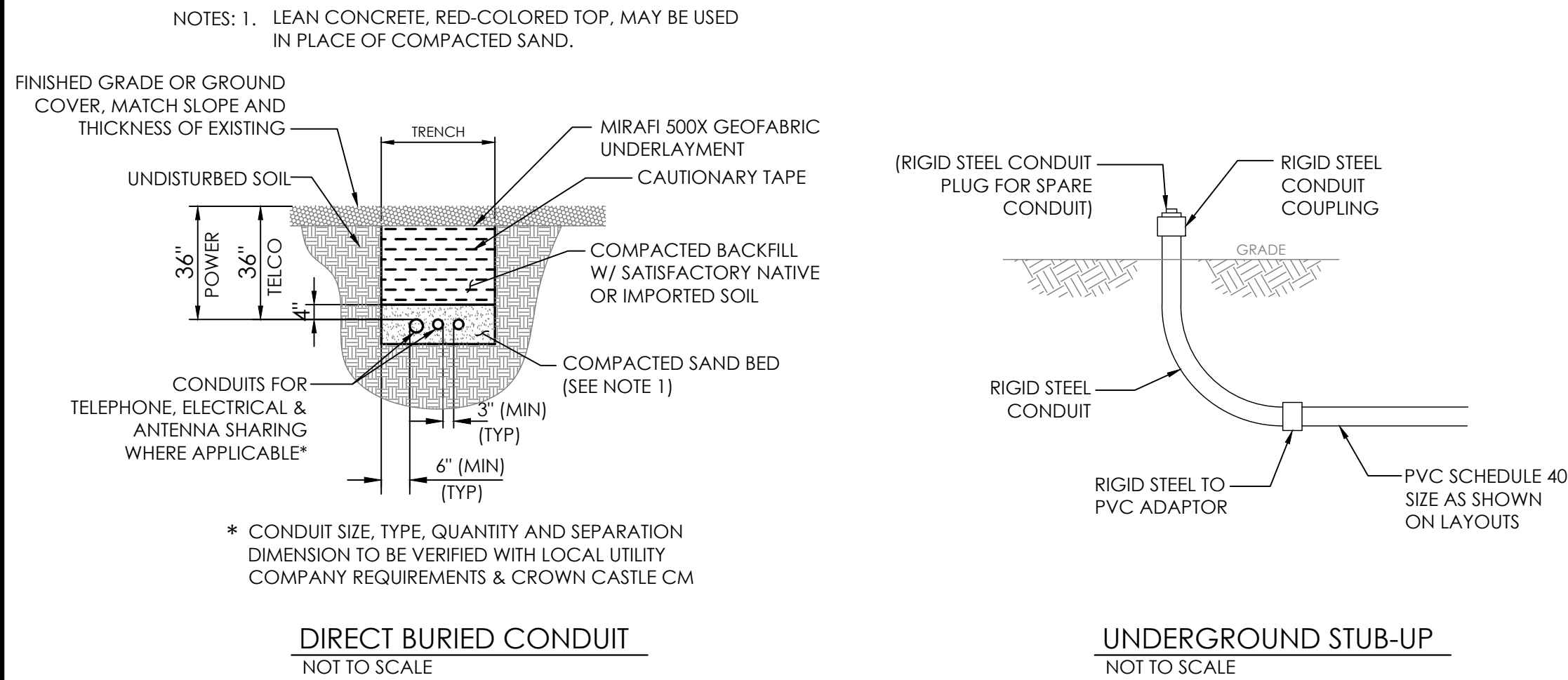
25TMO_08N-004

SHEET DESCRIPTION:

**ONE-LINE DIAGRAM
& PANEL SCHEDULE**

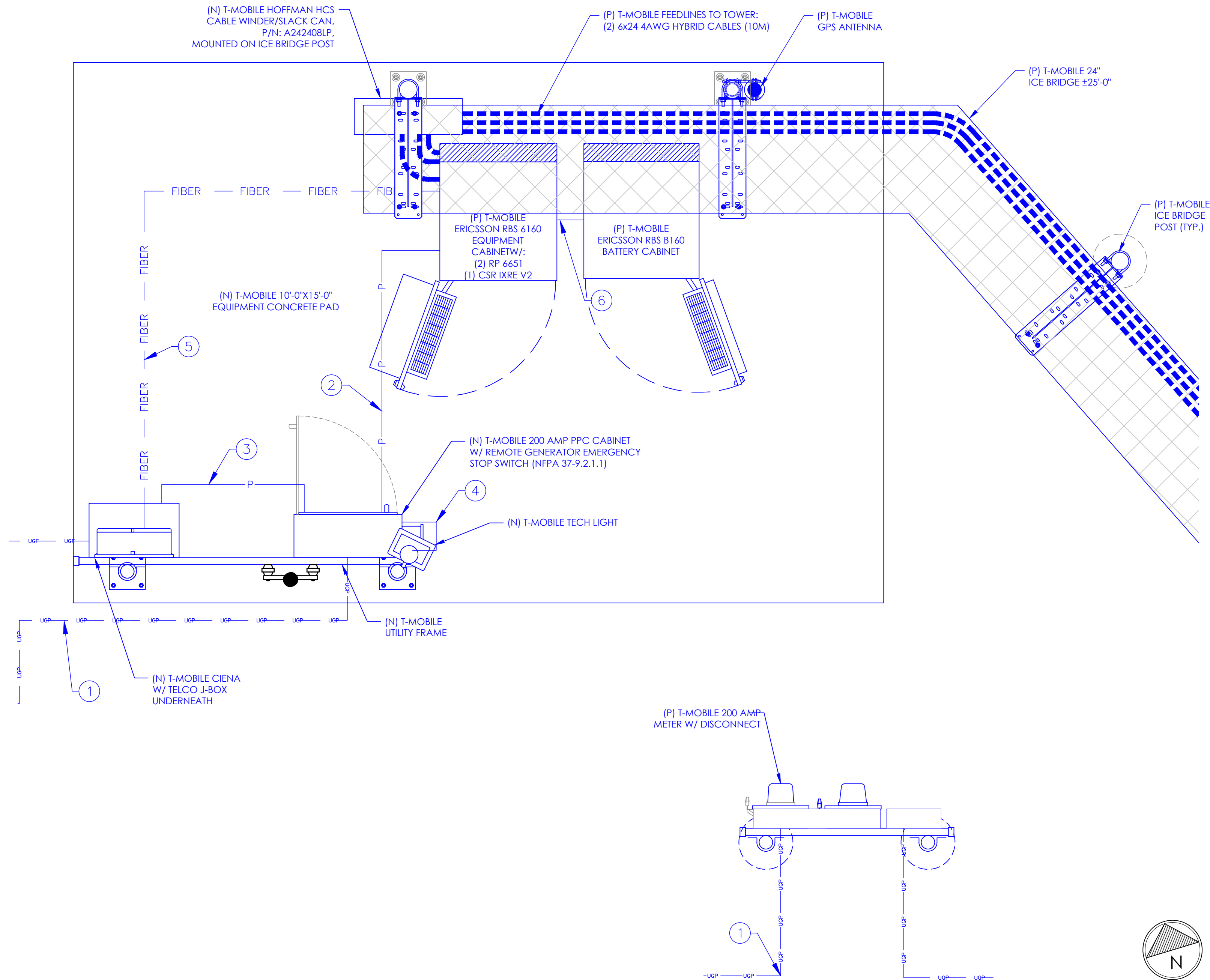
SHEET NUMBER:

E-1



ELECTRICAL KEY NOTES:

- PROPOSED (1) 2" POWER CONDUIT FROM 200A METER TO 200A PPC CABINET. [5 +/- LF]
- PROPOSED (1) 2" SCH. 40 PVC CONDUIT FROM 200A PPC TO RBS 6160 CABINET (TYP.) [10 +/- LF].
- PROPOSED (1) 1-1/4" SEAL TIGHT CONDUIT FOR CIENA (N.I.U.) TO PPC FOR CAT 5 CABLE & (1) 1-1/4" SEAL TIGHT CONDUIT FOR FIBER FEED TO PPC. LEAVE MALE COUPLER FOR TERMINATION BY OTHERS. [5 +/- LF].
- PROPOSED (1) 3/4" RIGID CONDUIT FROM 200A PPC TO LED TECH LIGHT W/ TIMER. [5 +/- LF].
- PROPOSED (1) 2" PVC W/ PULLSTRING FROM RBS 6160 CABINET TO CIENA W/ (1) SEAL TIGHT CONDUIT FOR -48VDC CIRCUIT (TYP.) (1) CAT5 CABLE [15 +/- LF].
- PROPOSED (1) 2" GALVANIZED RIGID CONDUIT FROM THE RBS 6160 CABINET TO B160 BATTERY CABINET. [5 +/- LF].



ELECTRICAL UTILITY PLAN 1

1"=3'-0" (FULL SIZE)
1"=6'-0" (11x17)

ELECTRICAL CONDUIT PLAN 2

3/4"=1'-0" (FULL SIZE)
3/8"=1'-0" (11x17)

PLANS PREPARED FOR:

T-Mobile

1200 CONCORD AVENUE SUITE 500
CONCORD CA 94520

PLANS PREPARED BY:

PM&A

P. MARSHALL & ASSOCIATES
6801 PORTWEST DR., SUITE 100
HOUSTON, TX 77024

OEM:

NETWORK CONNEX

MLA PARTNER:

ENGINEERING SEAL:

ISSUED FOR REVIEW

DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF **T-MOBILE** AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF **T-MOBILE**.

REVISIONS:	DESCRIPTION	DATE	BY	REV
	PRELIMINARY	03/07/2025	DAD	A
	PRELIMINARY	05/14/2025	SM	B
	PRELIMINARY	06/06/2025	SM	C

SITE NAME:

AT&T: KING CITY

SITE NUMBER:

SFL0050A

SITE ADDRESS:

51950 PINE CANYON RD
KING CITY, CA 93930

PM&A PROJECT:

25TMO_08N-004

SHEET DESCRIPTION:

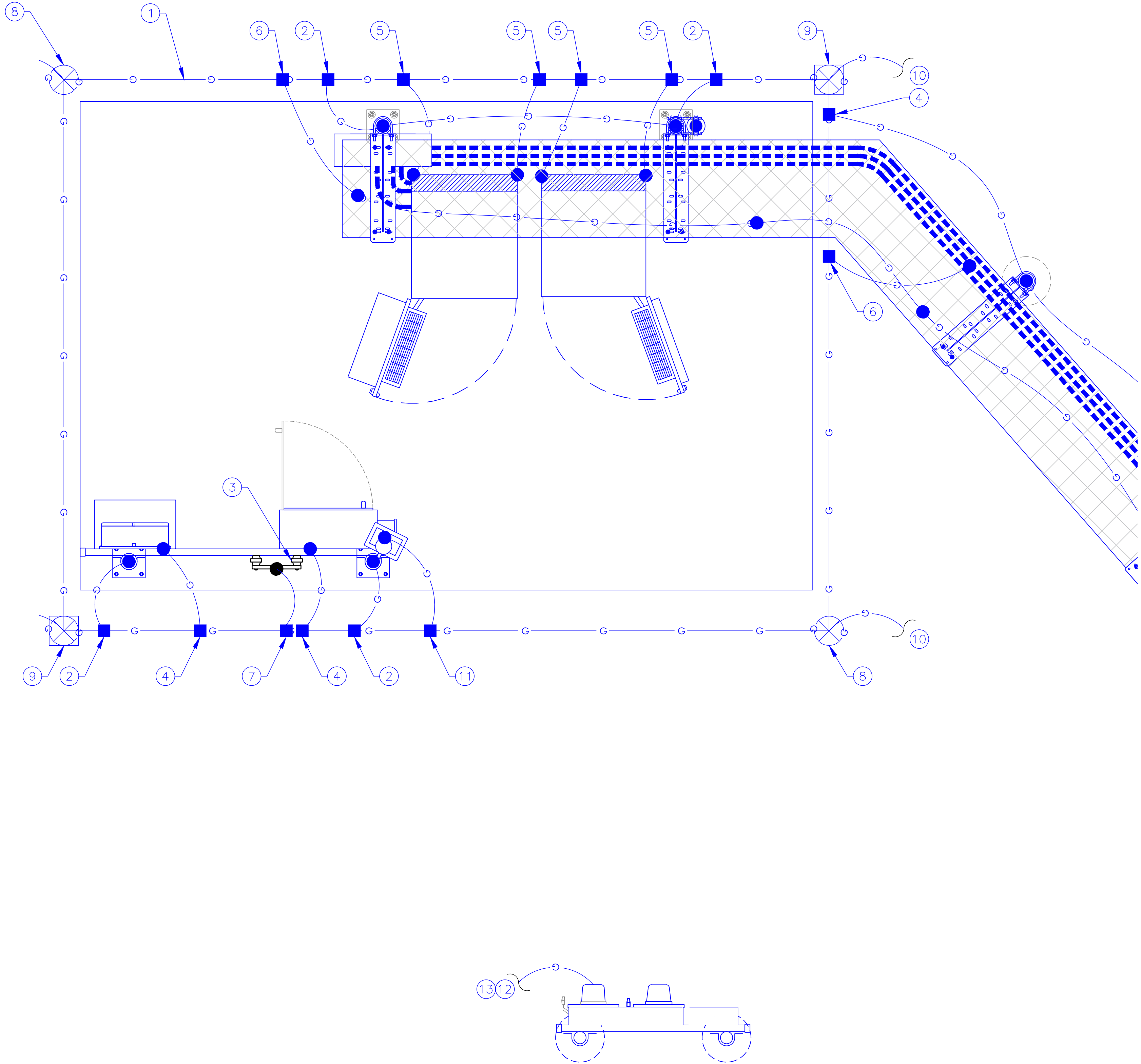
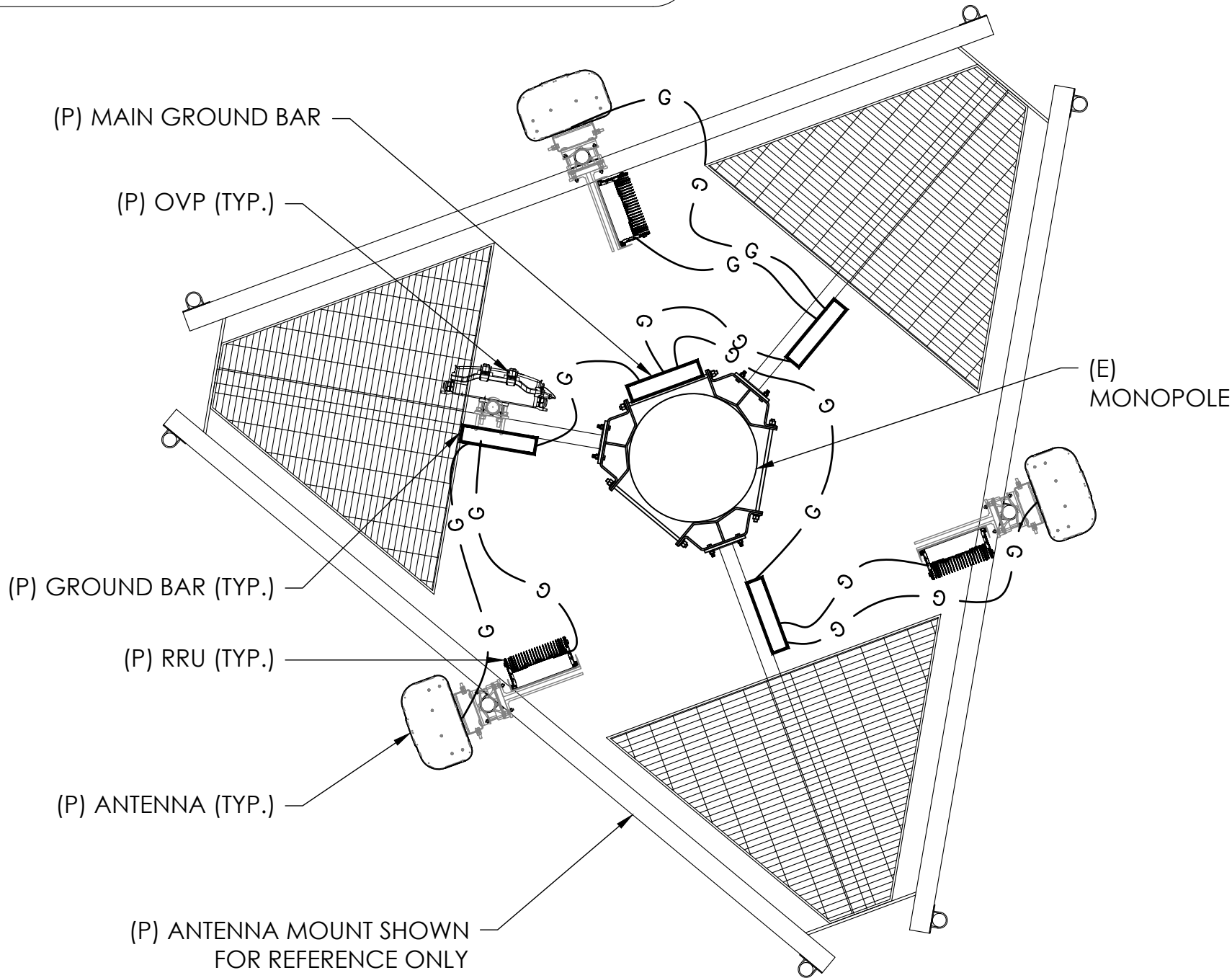
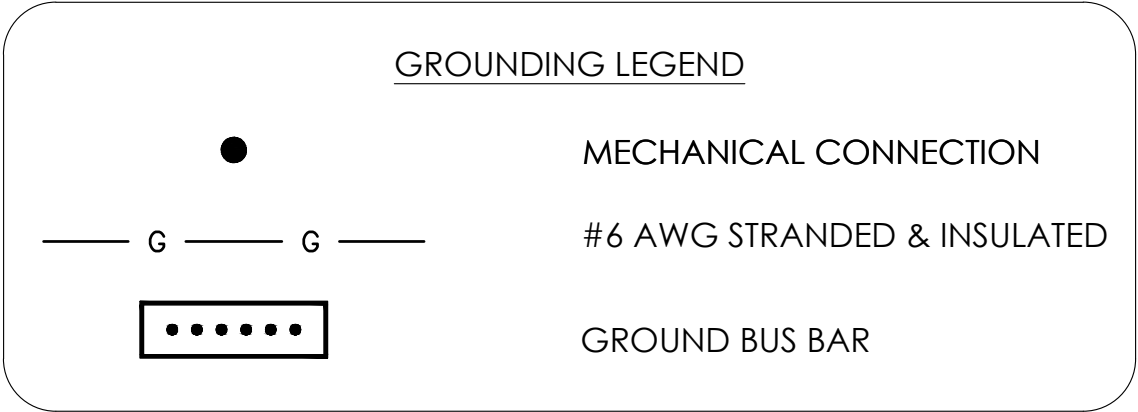
ELECTRICAL EQUIPMENT PLAN

SHEET NUMBER:

E-2

GROUNDING KEY NOTES:

- 1
- #2 AWG BARE TINNED SOLID COPPER GROUND RING BURIED 30" BELOW GRADE (TYP).
- 2
- BOND ALL ICE BRIDGE, ICE CANOPY POSTS & H-FRAME POSTS TO GROUND RING (TYP).
- 3
- PROPOSED GROUND BAR.
- 4
- PROPOSED #2 AWG STRANDED GREEN INSULATED COPPER WIRE FROM PROPOSED EQUIPMENT TO GROUND RING. GROUND EQUIPMENT PER MANUFACTURER'S SPECIFICATIONS.
- 5
- GROUND EQUIPMENT CABINET PER MANUFACTURER'S SPECIFICATIONS.
- 6
- BOND EACH ICE BRIDGE SECTION TOGETHER WITH JUMPERS (TYP. FOR ENTIRE LENGTH OF ICE BRIDGE). BOND FIRST AND LAST SECTION TO GROUND BAR.
- 7
- BOND GROUND BAR TO GROUND RING WITH #2 AWG SOLID BARE TINNED COPPER WIRE.
- 8
- PROPOSED GROUND ROD (TYP).
- 9
- PROPOSED GROUND ROD WITH INSPECTION WELL (TYP).
- 10
- BOND PROPOSED GROUND RING TO EXISTING MAIN GROUND RING.
- 11
- BOND ALL PROPOSED TECH LIGHTS TO GROUND RING.
- 12
- GROUND POWER METER PER NEC AND LOCAL UTILITY SPECIFICATIONS
- 13
- GROUND POWER DISCONNECT SWITCH AS REQUIRED BY NEC AND LOCAL UTILITY SPECIFICATIONS



PLANS PREPARED FOR:

T

Mobile

1200 CONCORD AVENUE SUITE 500
CONCORD CA 94520

PLANS PREPARED BY:

PM&A

P. MARSHALL & ASSOCIATES

6801 PORTWEST DR., SUITE 100
HOUSTON, TX 77024

OEM:

NETWORK

CONNEX

MLA PARTNER:

ENGINEERING SEAL:

ISSUED
FOR
REVIEW

DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL
AND ARE THE SOLE PROPERTY OF
T-MOBILE AND MAY NOT BE
REPRODUCED, DISSEMINATED OR
REDISTRIBUTED WITHOUT THE EXPRESS
WRITTEN CONSENT OF T-MOBILE.

REVISIONS:	DESCRIPTION	DATE	BY	REV
	PRELIMINARY	03/07/2025	DAD	A
	PRELIMINARY	05/14/2025	SM	B
	PRELIMINARY	06/06/2025	SM	C

SITE NAME:

AT&T: KING CITY

SITE NUMBER:

SFL0050A

SITE ADDRESS:

51950 PINE CANYON RD
KING CITY, CA 93930

PM&A PROJECT:

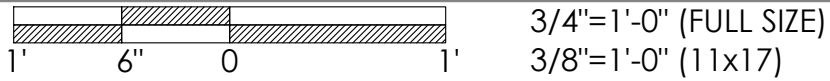
25TMO_08N-004

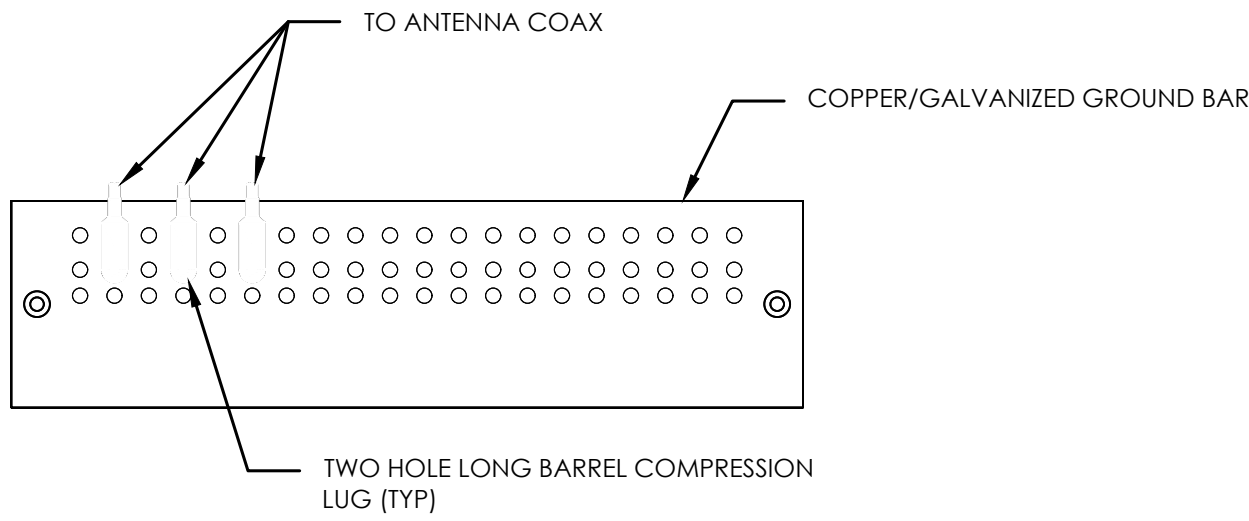
SHEET DESCRIPTION:

ELECTRICAL
GROUNDING PLAN

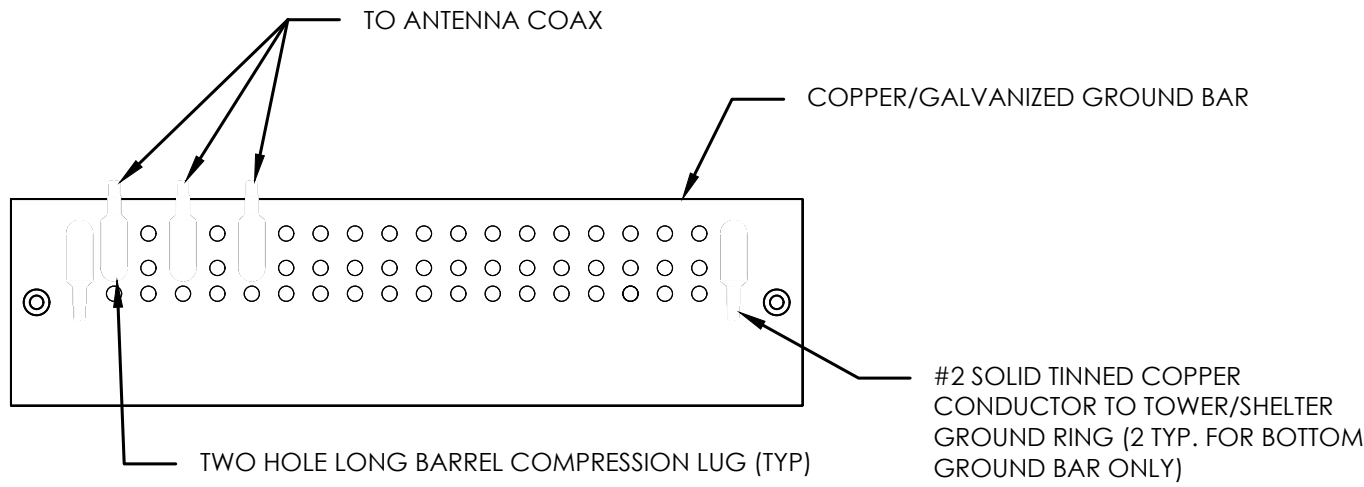
SHEET NUMBER:

E-3

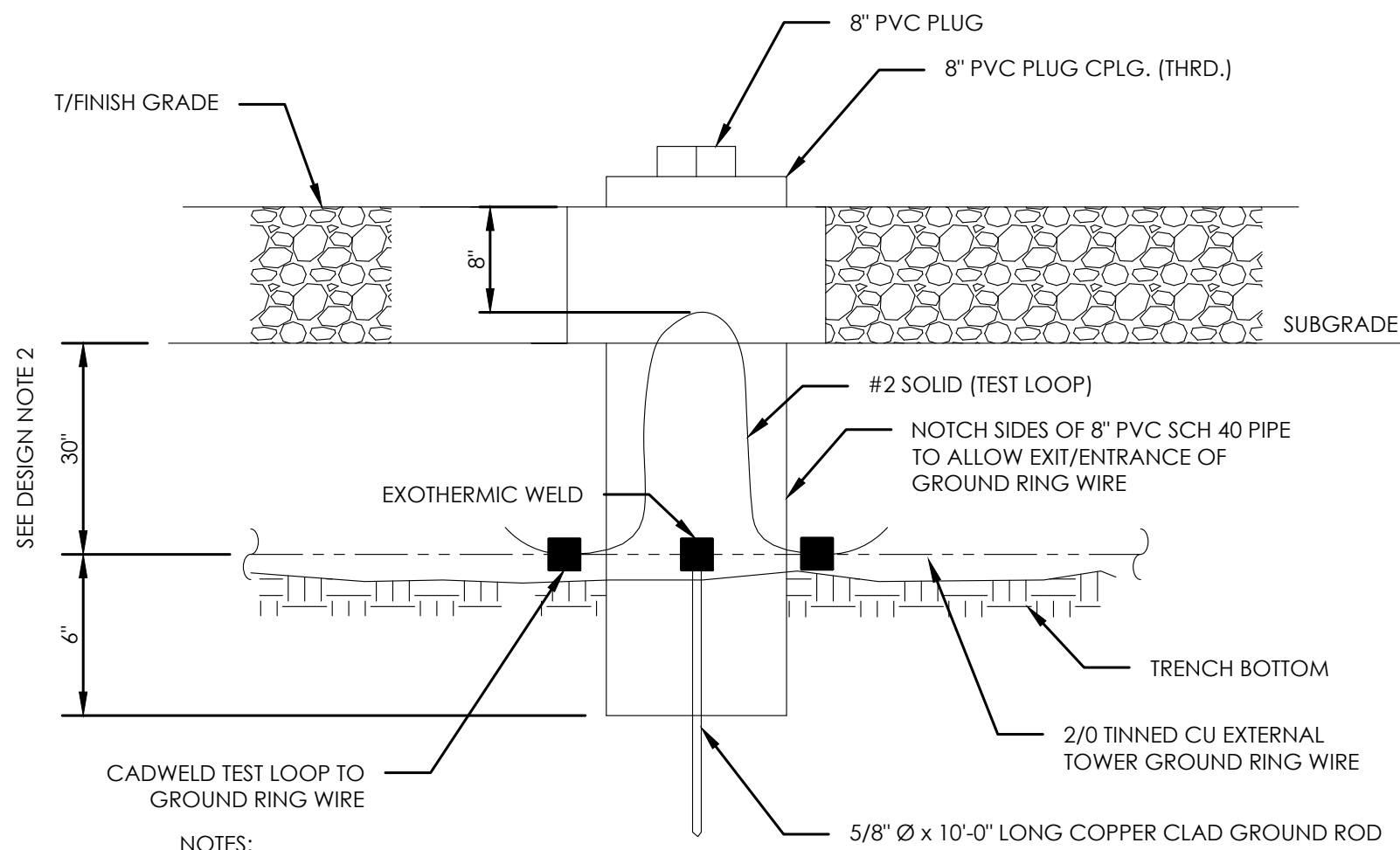




- NOTES:
- DOUBLING UP "OR STACKING" OF CONNECTIONS IS NOT PERMITTED.
 - EXTERIOR ANTIOXIDANT JOINT COMPOUND TO BE USED ON ALL EXTERIOR CONNECTIONS.
 - GROUND BAR SHALL NOT BE ISOLATED FROM TOWER. MOUNT DIRECTLY TO ANTENNA MOUNT STEEL.



- NOTES:
- EXTERIOR ANTIOXIDANT JOINT COMPOUND TO BE USED ON ALL EXTERIOR CONNECTIONS.
 - GROUND BAR SHALL NOT BE ISOLATED FROM TOWER. MOUNT DIRECTLY TO TOWER STEEL (TOWER ONLY).
 - GROUND BAR SHALL BE ISOLATED FROM BUILDING OR SHELTER.



- NOTES:
- GROUND ROD SHALL BE DRIVEN VERTICALLY, NOT TO EXCEED 45 DEGREES FROM THE VERTICAL
 - GROUND WIRE SHALL BE MIN. 30" BELOW GRADE OR 6" BELOW FROST LINE. (WHICH EVER IS GREATER) AS PER N.E.C. ARTICLE 250-50(D)

ANTENNA SECTOR GROUND BAR DETAIL

1

NOT TO SCALE

TOWER/SHELTER GROUND BAR DETAIL

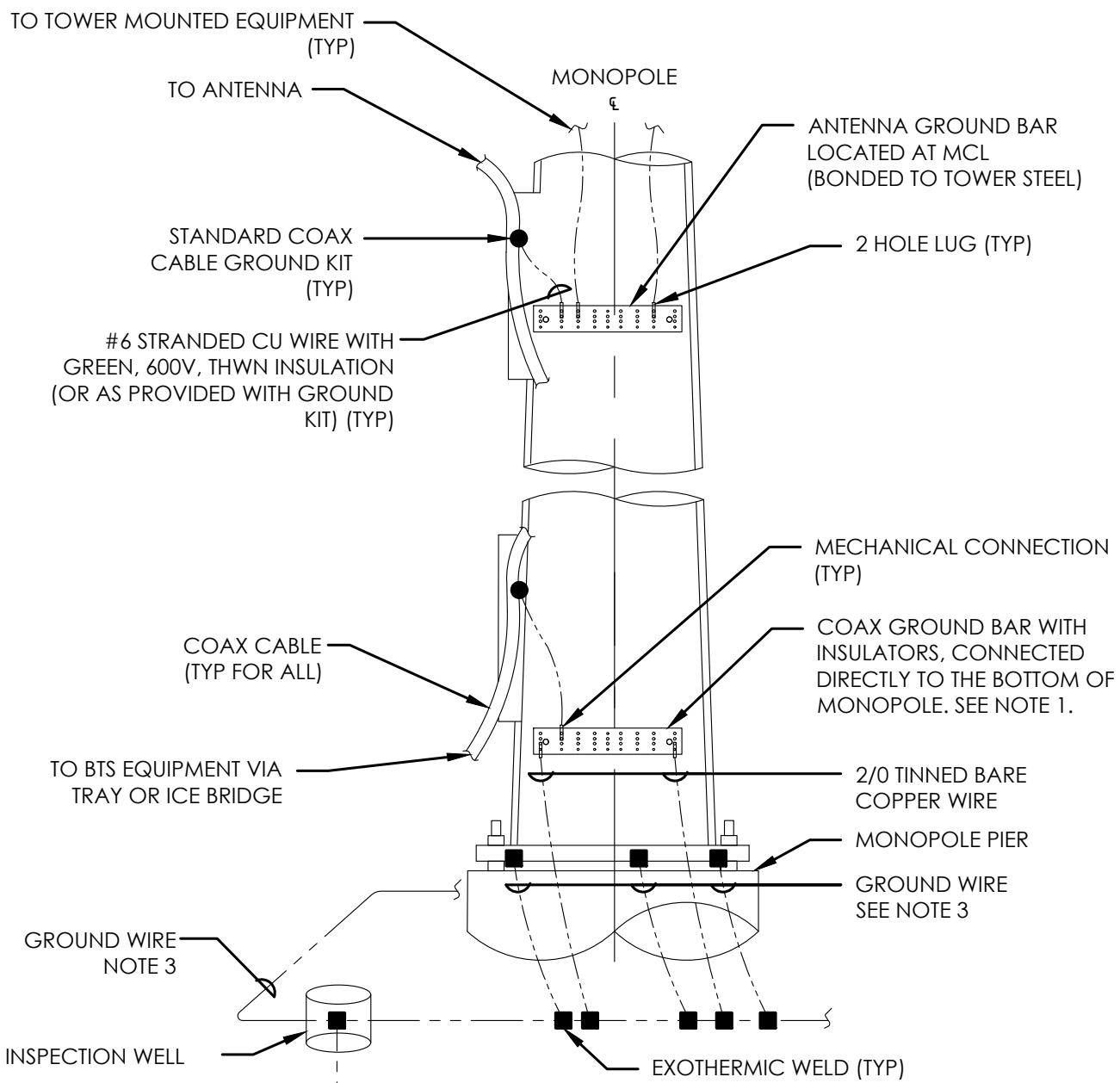
2

NOT TO SCALE

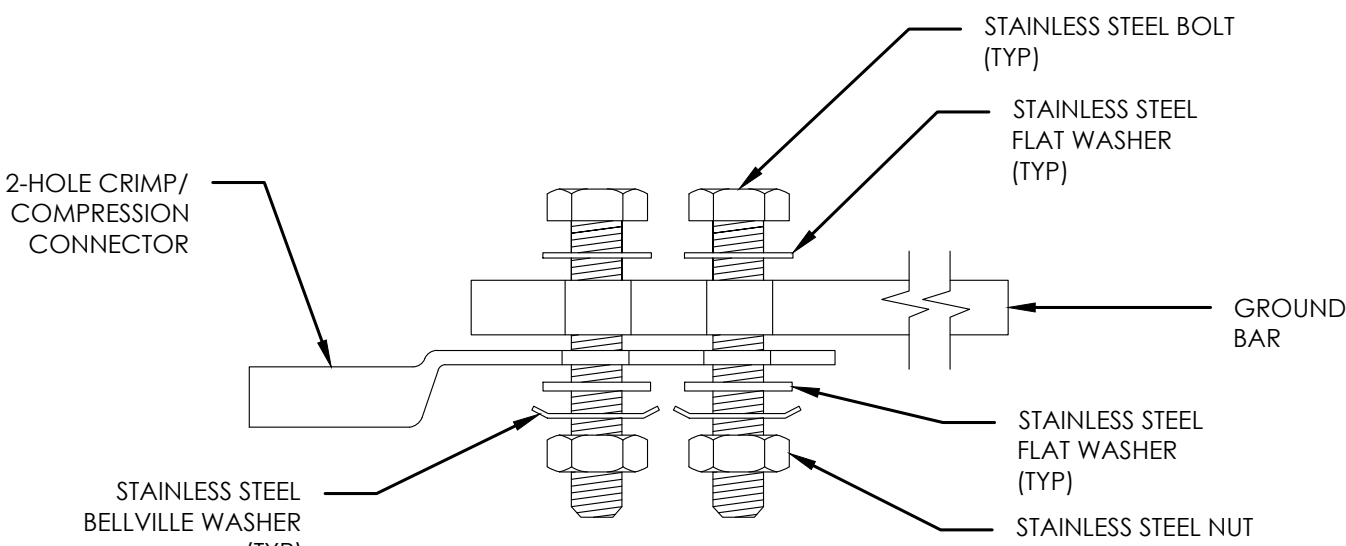
INSPECTION WELL DETAIL

3

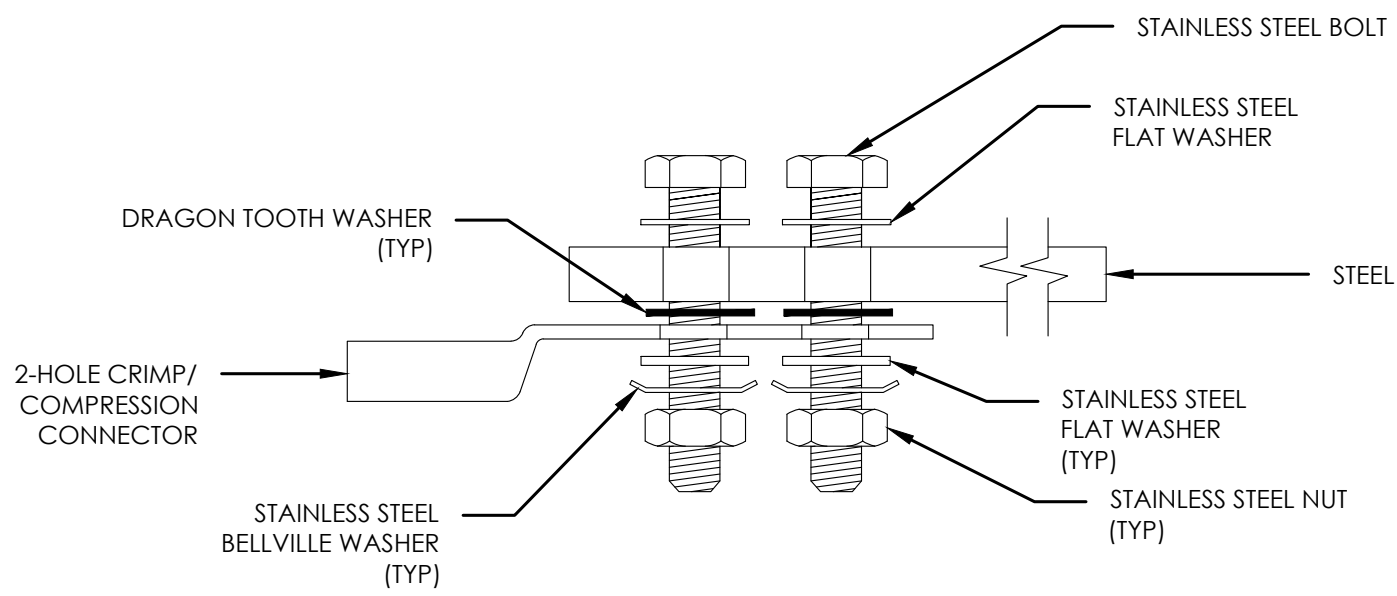
NOT TO SCALE



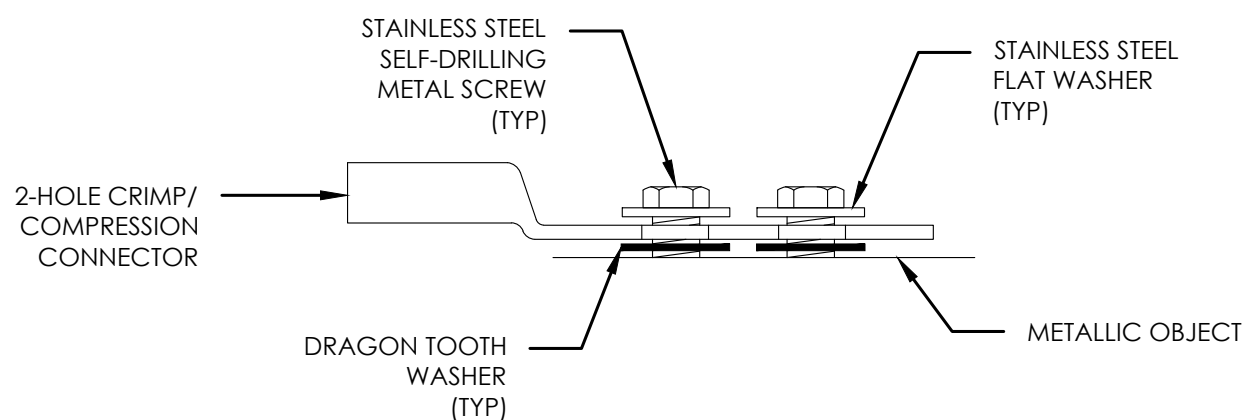
- NOTES:
- NUMBER OF GROUNDING BARS MAY VARY DEPENDING ON THE TYPE OF TOWER, ANTENNA LOCATIONS AND CONNECTION ORIENTATION. COAXIAL CABLES EXCEEDING 200 FEET ON THE TOWER SHALL HAVE GROUND KITS AT THE MIDPOINT. PROVIDE AS REQUIRED.
 - ONLY MECHANICAL CONNECTIONS ARE ALLOWED TO BE MADE TO CROWN CASTLE USA INC. TOWERS. ALL MECHANICAL CONNECTIONS SHALL BE TREATED WITH AN ANTI-OXIDANT COATING.
 - ALL TOWER GROUNDING SYSTEMS SHALL COMPLY WITH THE REQUIREMENTS OF THE RECOGNIZED EDITION OF ANSI/TIA 222 AND NFPA 780.



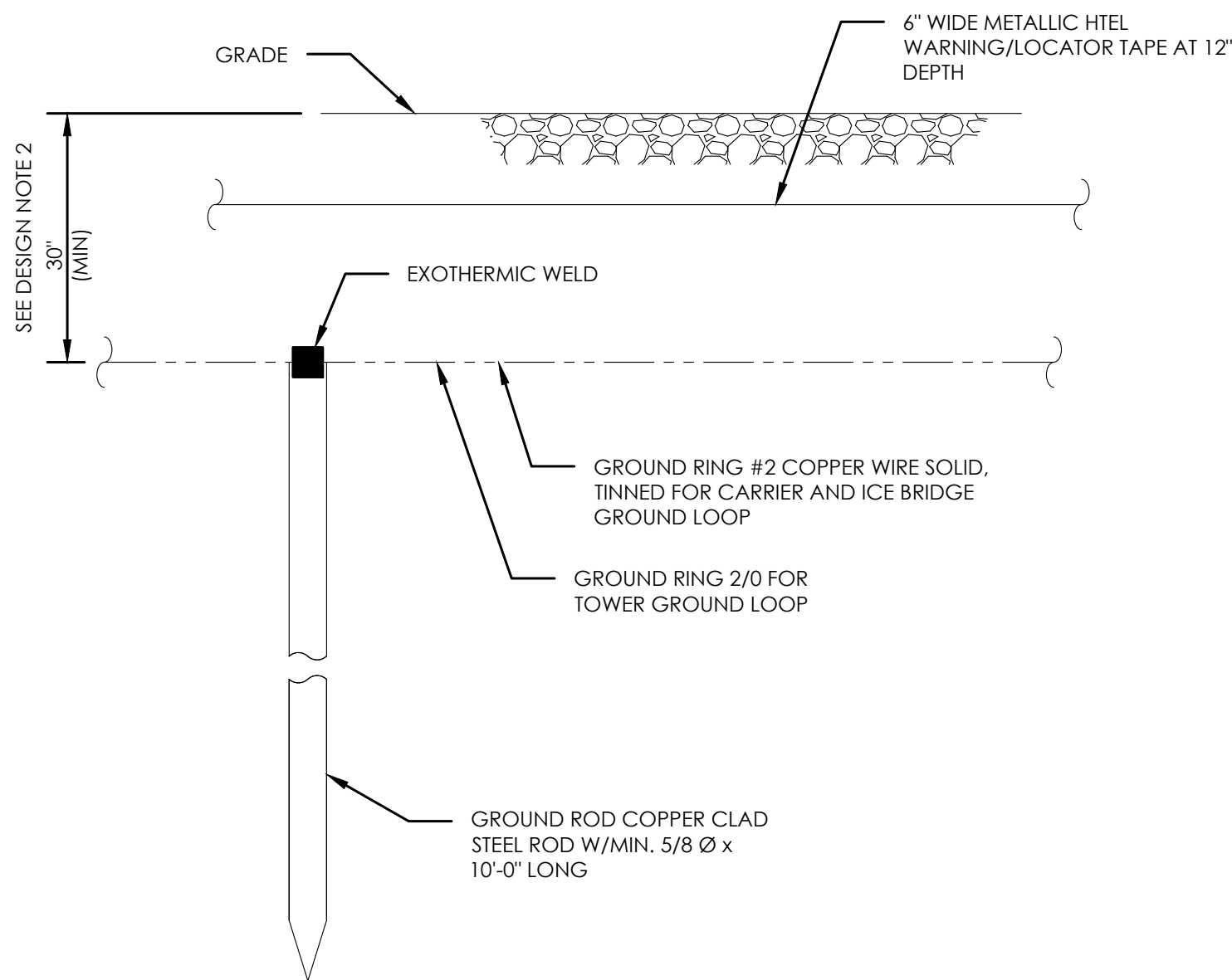
SINGLE CONNECTOR AT GROUND BARS



SINGLE CONNECTOR AT STEEL OBJECTS



SINGLE CONNECTOR AT METALLIC/STEEL OBJECTS



- NOTES:
- GROUND ROD SHALL BE DRIVEN VERTICALLY, NOT TO EXCEED 45 DEGREES FROM THE VERTICAL
 - GROUND WIRE SHALL BE MIN. 30" BELOW GRADE OR 6" BELOW FROST LINE. (WHICH EVER IS GREATER) AS PER N.E.C. ARTICLE 250-50(D)

TYPICAL ANTENNA CABLE GROUNDING

4

NOT TO SCALE

HARDWARE DETAIL FOR EXTERIOR CONNECTIONS

5

NOT TO SCALE

GROUND ROD DETAIL

6

NOT TO SCALE

PLANS PREPARED FOR:

T-Mobile
1200 CONCORD AVENUE SUITE 500
CONCORD CA 94520

PLANS PREPARED BY:

PM&A
P. MARSHALL & ASSOCIATES
6801 PORTWEST DR., SUITE 100
HOUSTON, TX 77024

OEM:

**NETWORK
CONNEX**

MLA PARTNER:

ENGINEERING SEAL:

**ISSUED
FOR
REVIEW**

DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL
AND ARE THE SOLE PROPERTY OF
T-MOBILE AND MAY NOT BE
REPRODUCED, DISSEMINATED OR
REDISTRIBUTED WITHOUT THE EXPRESS
WRITTEN CONSENT OF **T-MOBILE**.

REVISIONS:

DESCRIPTION	DATE	BY	REV
PRELIMINARY	03/07/2025	DAD	A
PRELIMINARY	05/14/2025	SM	B
PRELIMINARY	06/06/2025	SM	C

SITE NAME:

AT&T: KING CITY

SITE NUMBER:

SFL0050A

SITE ADDRESS:

51950 PINE CANYON RD
KING CITY, CA 93930

PM&A PROJECT:

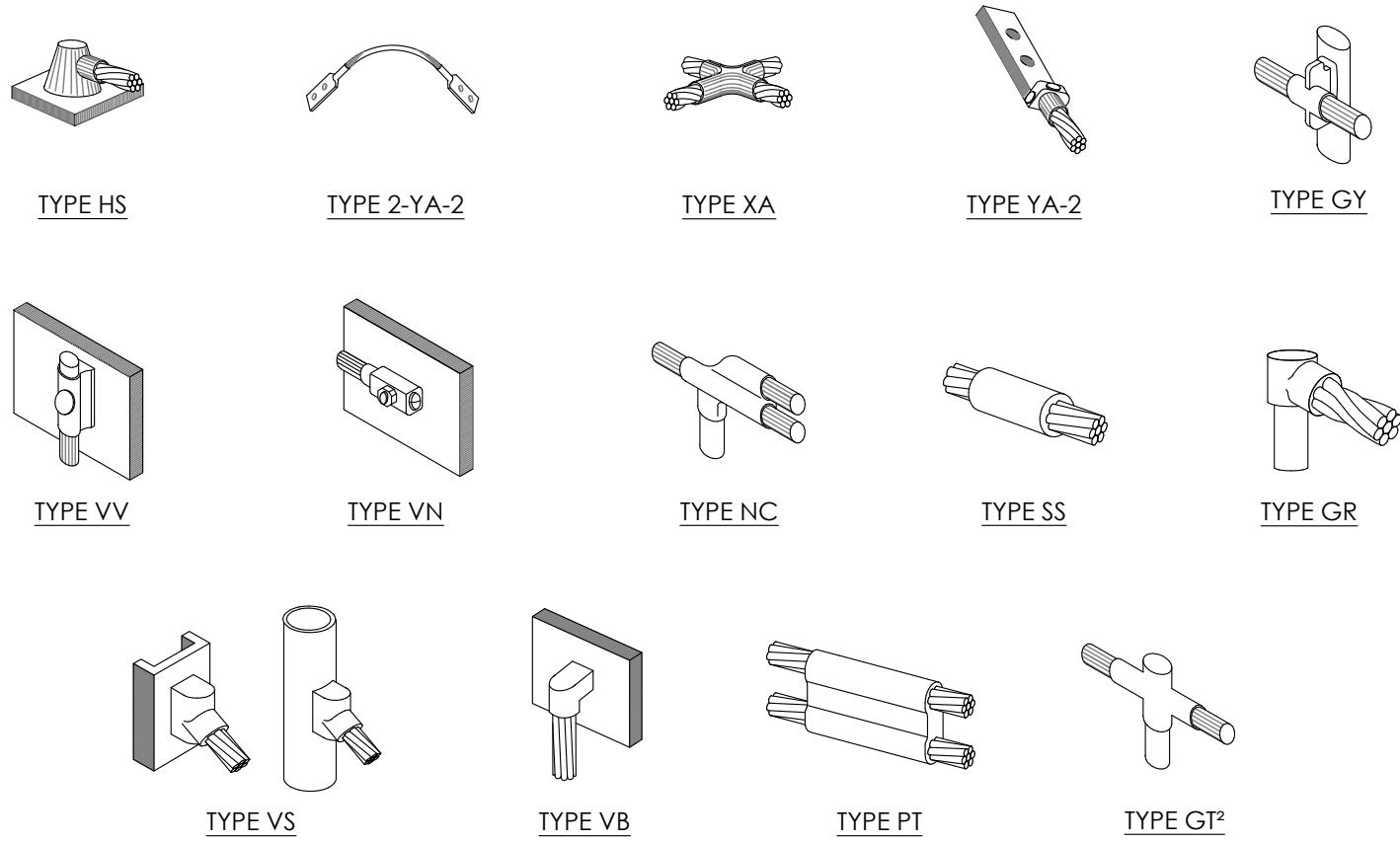
25TMO_08N-004

SHEET DESCRIPTION:

GROUNDING DETAILS

SHEET NUMBER:

E-4

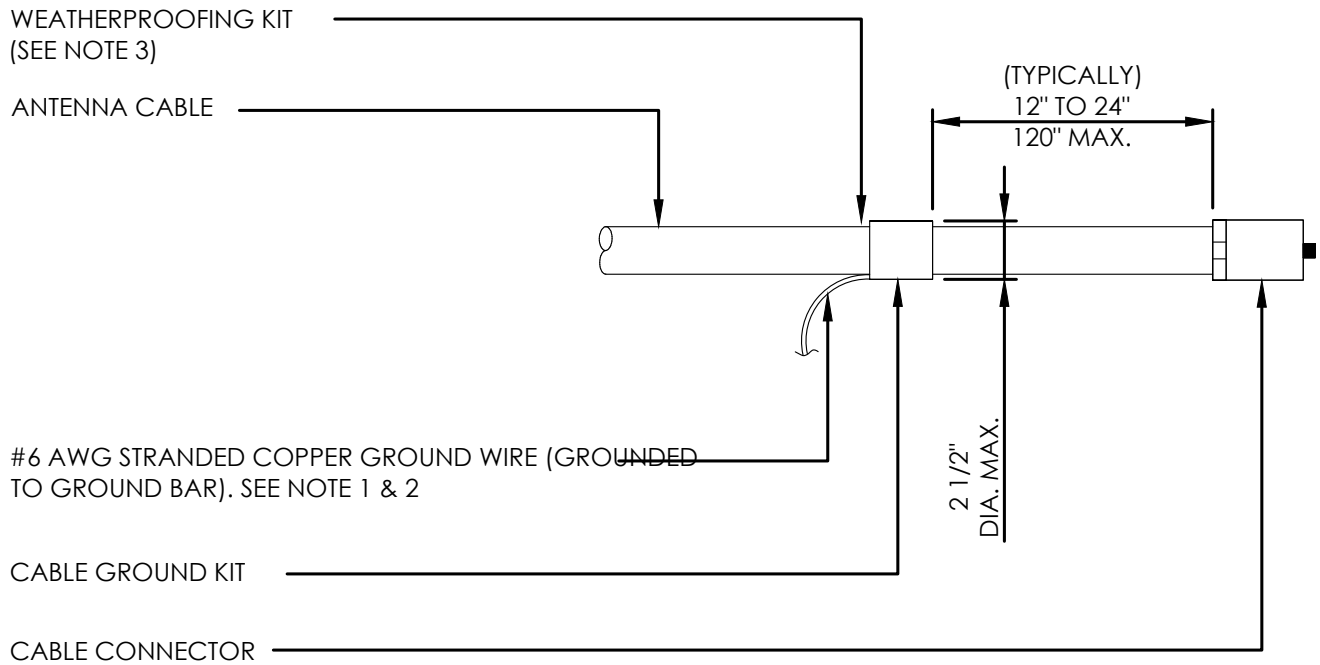


- NOTE:
1. ERICO EXOTHERMIC "MOLD TYPES" SHOWN HERE ARE EXAMPLES. CONSULT WITH CONSTRUCTION MANAGER FOR SPECIFIC MOLDS TO BE USED FOR THIS PROJECT.
 2. MOLD TYPE ONLY TO BE USED BELOW GRADE WHEN CONNECTING GROUND RING TO GROUND ROD.

CADWELD GROUNDING CONNECTIONS

1

NOT TO SCALE

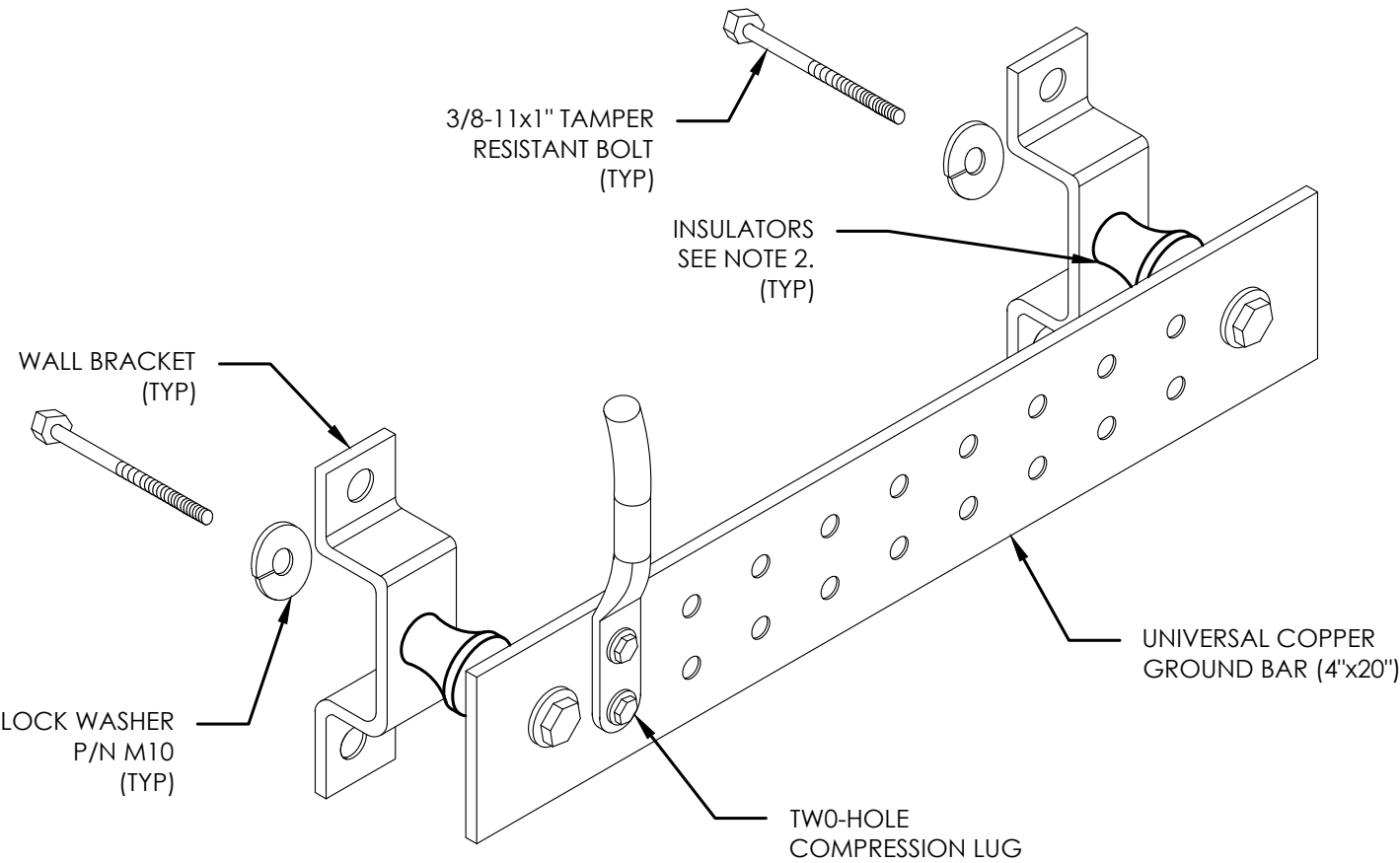


- NOTES:
1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
 2. GROUNDING KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.
 3. WEATHER PROOFING SHALL BE TWO-PART TAPE KIT, COLD SHRINK SHALL NOT BE USED.

CABLE GROUND KIT CONNECTION

3

NOT TO SCALE

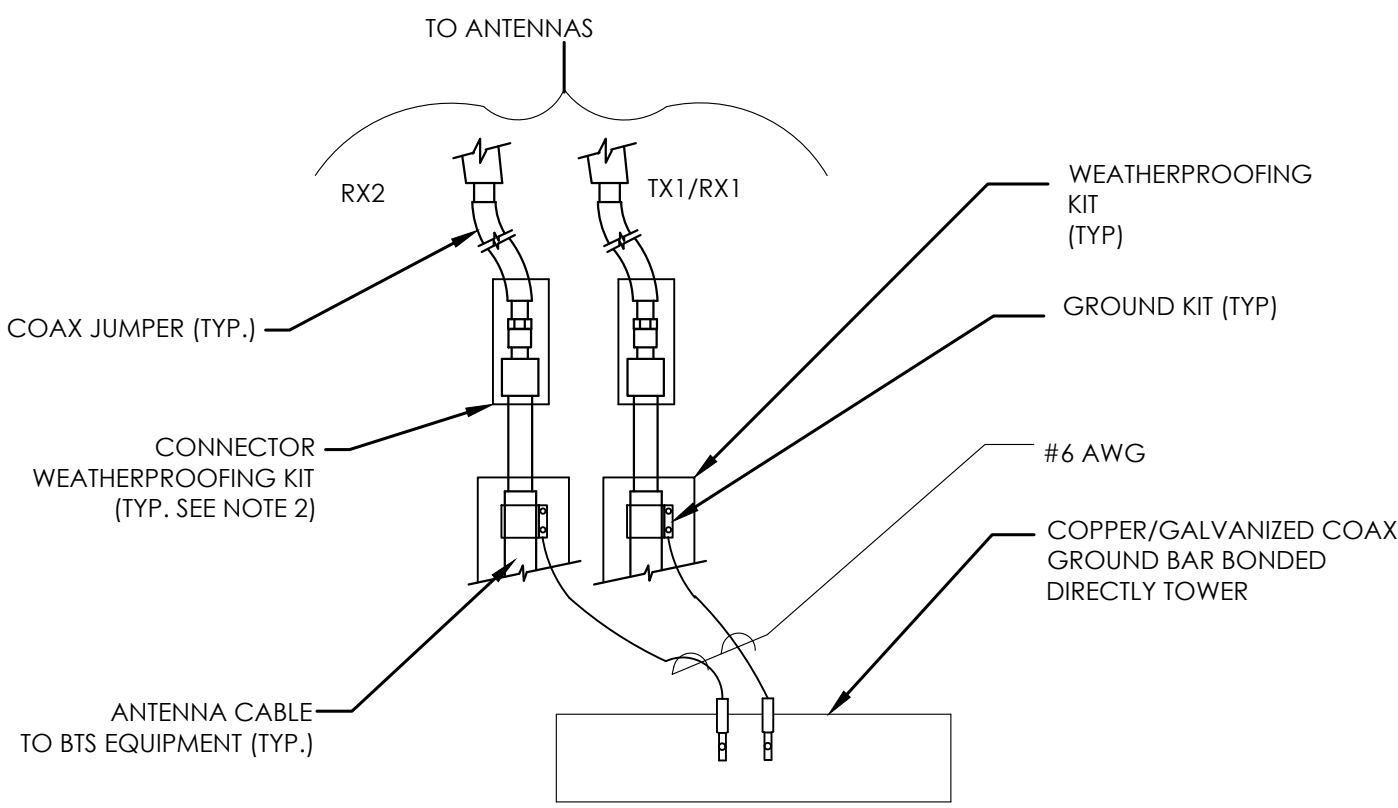


- NOTES:
1. DOWN LEAD (HOME RUN) CONDUCTORS ARE NOT TO BE INSTALLED ON CROWN CASTLE USA INC. TOWER. PER THE GROUNDING DOWN CONDUCTOR POLICY GAS-STD-10091. NO MODIFICATION OR DRILLING TO TOWER STEEL IS ALLOWED IN ANY FORM OR FASHION, CAD-WELDING ON THE TOWER AND/OR IN THE AIR ARE NOT PERMITTED.
 2. OMIT INSULATOR WHEN MOUNTING TO TOWER STEEL OR PLATFORM STEEL. USE INSULATORS WHEN ATTACHING TO BUILDING OR SHELTERS.

GROUND BAR DETAIL

6

NOT TO SCALE

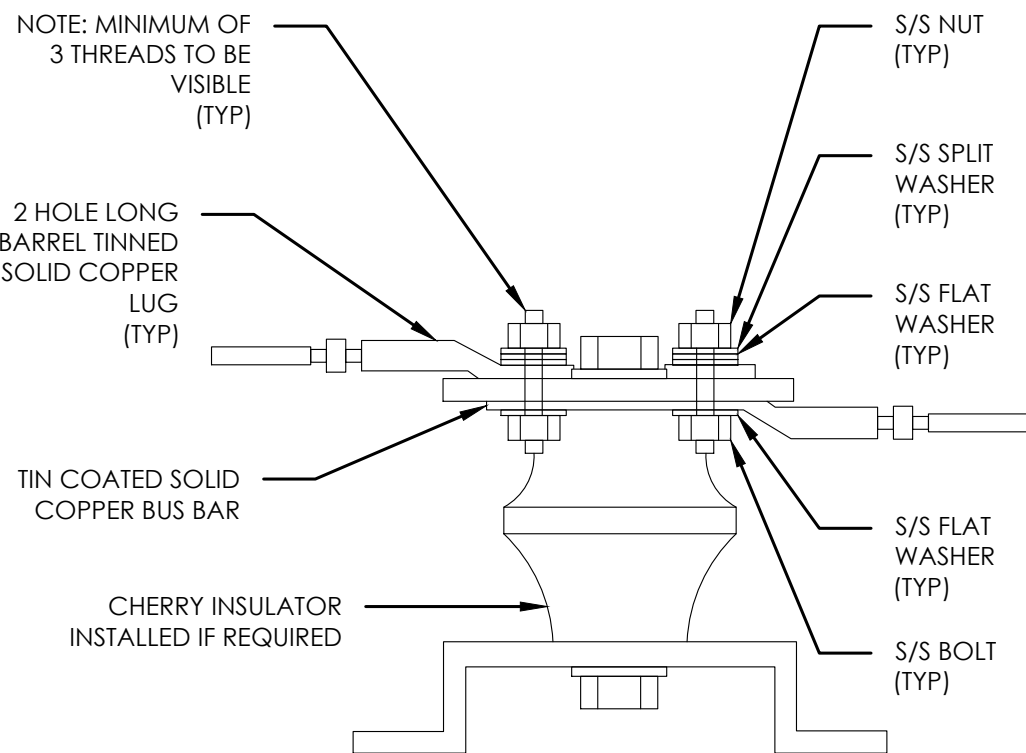


- NOTES:
1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO ANTENNA GROUND BAR.
 2. WEATHER PROOFING SHALL BE TWO-PART TAPE KIT. COLD SHRINK SHALL NOT BE USED.

GROUND CABLE CONNECTION

4

NOT TO SCALE

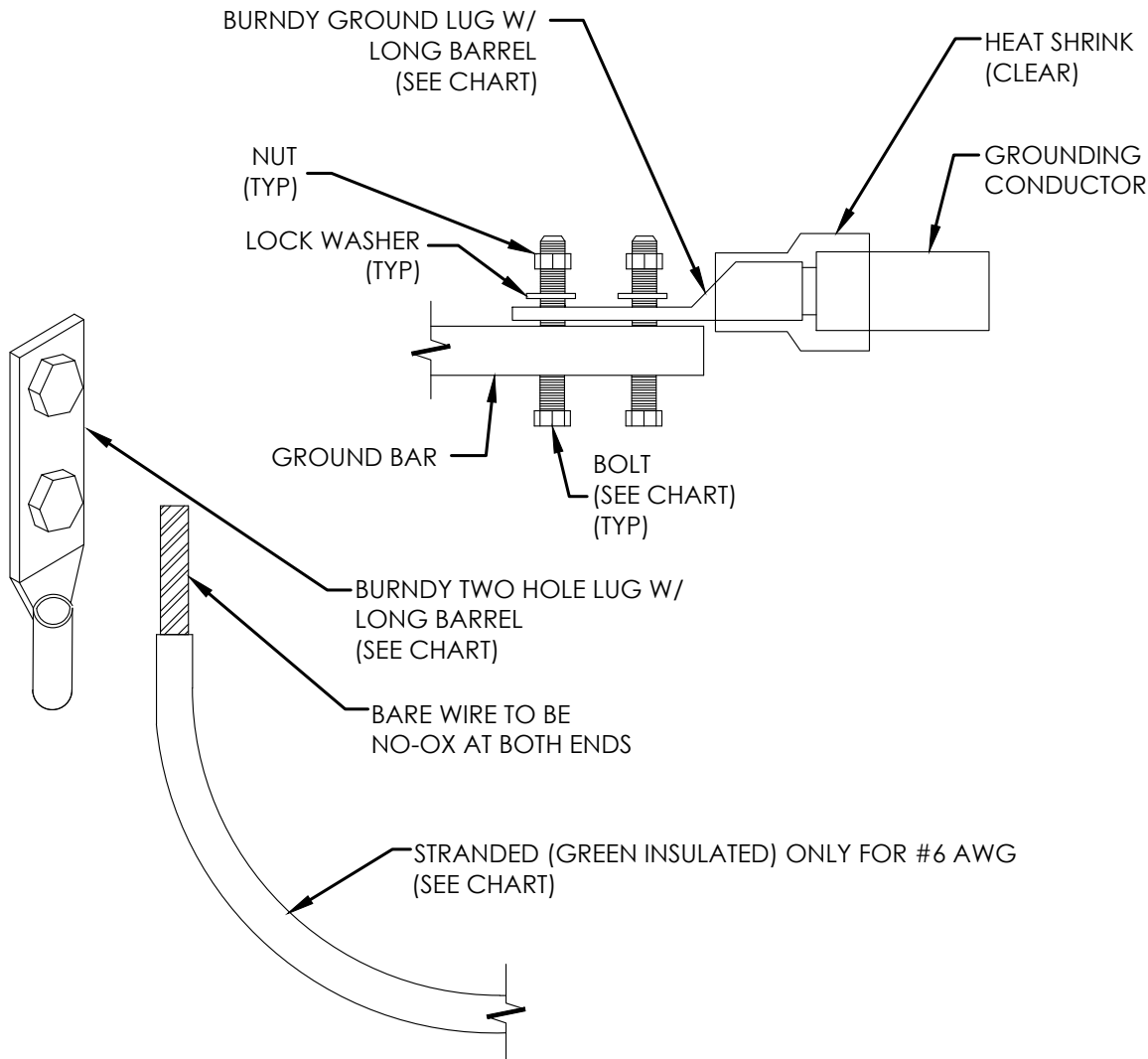


LUG DETAIL

7

NOT TO SCALE

WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT

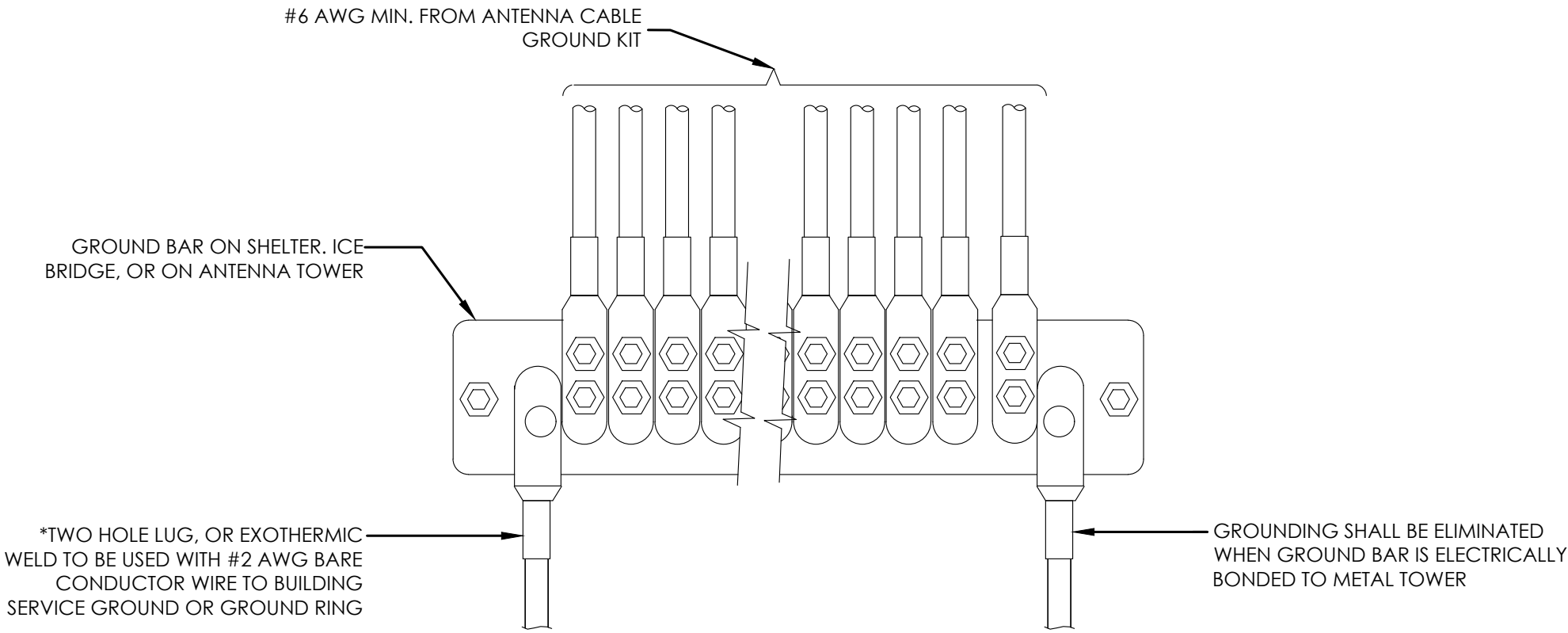


- NOTES:
1. ALL GROUNDING LUGS ARE TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. ALL HARDWARE BOLTS, NUTS, LOCK WASHERS SHALL BE STAINLESS STEEL. ALL HARDWARE ARE TO BE AS FOLLOWS: BOLT, FLAT WASHER, GROUND BAR, GROUND LUG, FLAT WASHER AND NUT.

MECHANICAL LUG CONNECTION

2

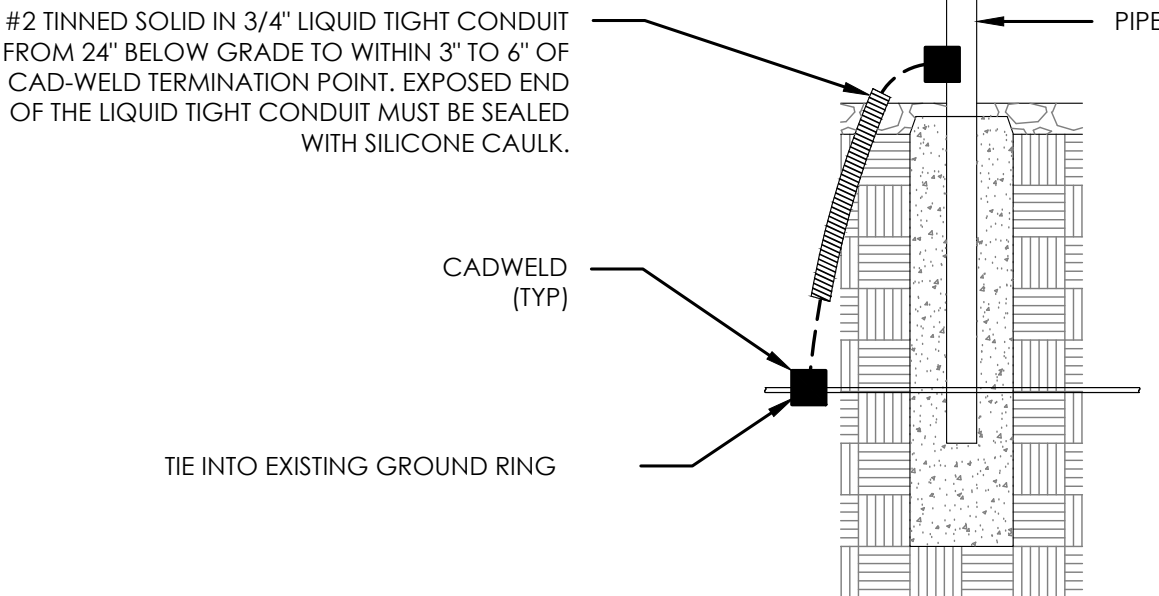
NOT TO SCALE



GROUND WIRE INSTALLATION

5

NOT TO SCALE



TRANSITIONING GROUND DETAIL

8

NOT TO SCALE

PLANS PREPARED FOR:

T-Mobile

1200 CONCORD AVENUE SUITE 500
CONCORD CA 94520

PLANS PREPARED BY:

PM&A

P. MARSHALL & ASSOCIATES
6801 PORTWEST DR., SUITE 100
HOUSTON, TX 77024

OEM:

NETWORK CONNEX

MLA PARTNER:

ENGINEERING SEAL:

ISSUED FOR REVIEW

DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF **T-MOBILE** AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF **T-MOBILE**.

REVISIONS:	DESCRIPTION	DATE	BY	REV
	PRELIMINARY	03/07/2025	DAD	A
	PRELIMINARY	05/14/2025	SM	B
	PRELIMINARY	06/06/2025	SM	C

SITE NAME:

AT&T: KING CITY

SITE NUMBER:

SFL0050A

SITE ADDRESS:

**51950 PINE CANYON RD
KING CITY, CA 93930**

PM&A PROJECT:

25TMO_08N-004

SHEET DESCRIPTION:

GROUNDING DETAILS

SHEET NUMBER:

E-5

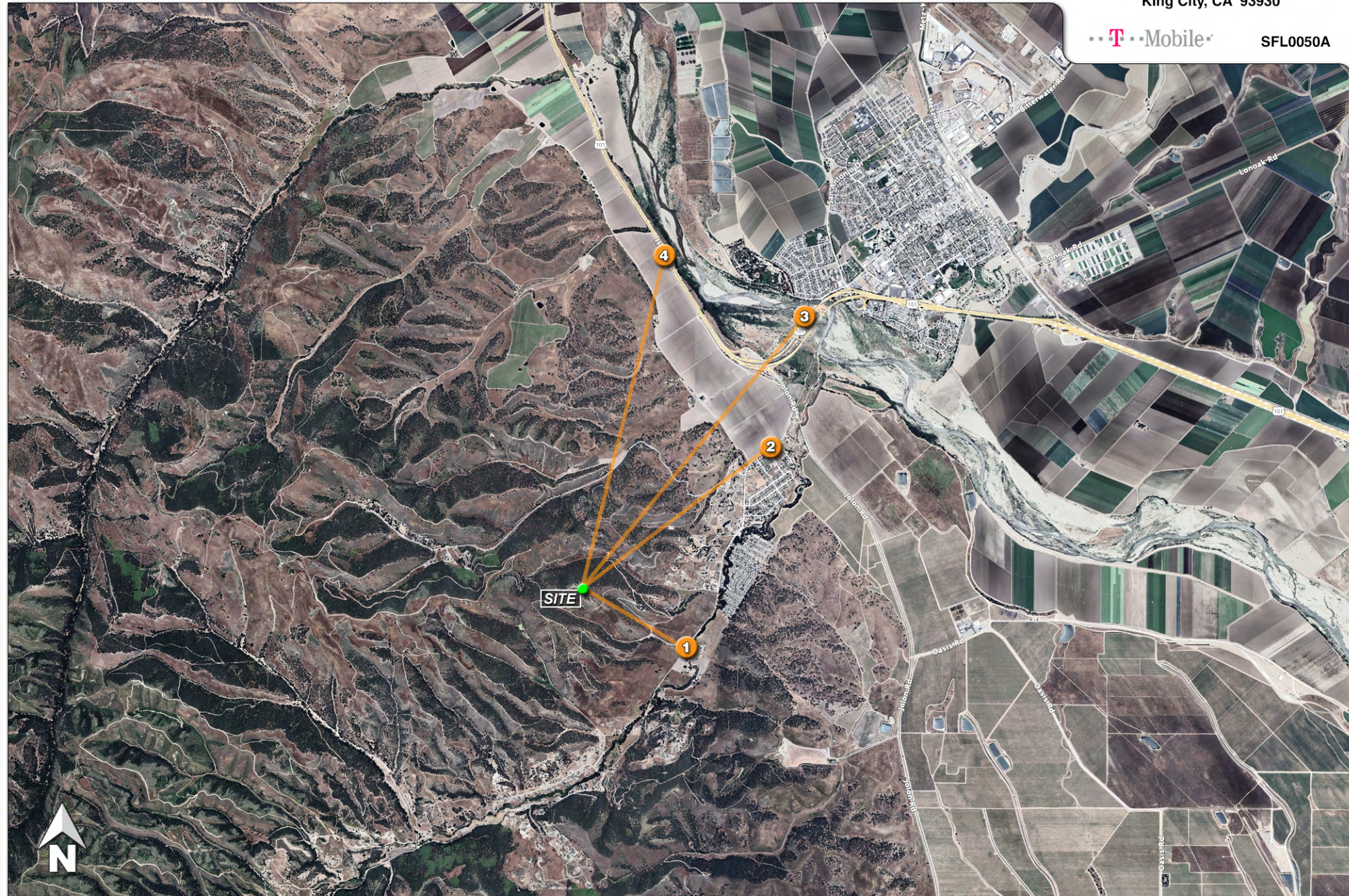
AT&T: King City

51950 Pine Canyon Rd
King City, CA 93930

..T..Mobile

SFL0050A

Aerial photograph showing the viewpoints for the photosimulations.



AT&T: King City

51950 Pine Canyon Rd
King City, CA 93930

..T..Mobile

SFL0050A

Photosimulation of the view from an airborne camera, looking easterly. Not a public vantage point.

Proposed new antennas on an existing tower

Proposed cabinets

Aerial Oblique View

1

Existing tower and antennas to remain in place

Existing

Photosimulation of the view looking northwest from the access gate and nearest public road to the site.

AT&T: King City

51950 Pine Canyon Rd
King City, CA 93930

..T..Mobile

SFL0050A

Proposed new antennas on an existing tower

Proposed

2

Existing tower and antennas to remain in place

Existing

Photosimulation of the view looking southwest along Pine Canyon Road, just west of Jolon Road.

AT&T: King City

51950 Pine Canyon Rd
King City, CA 93930

..T..Mobile..

SFL0050A

Proposed new antennas on an existing tower

Proposed

3

Existing tower and antennas to remain in place

Existing

Photosimulation of the view looking southwest along northbound Hwy 101, crossing over the Salinas River.

AT&T: King City

51950 Pine Canyon Rd
King City, CA 93930


..T..Mobile

SFL0050A

Proposed new antennas on an existing tower

Proposed

4

A photomontage showing a utility pole with a single antenna attached. The pole is located on the right side of a road, with a green highway sign for Exit 283 (Fort Hunter Liggett, Jolon Road, 1 mile) visible on the left. The background features a vineyard and rolling hills under a clear blue sky.

Existing tower and antennas to remain in place

Existing


Photosimulation of the view looking southwest along southbound Hwy 101, a mile north of Jolon Road.

AT&T: King City

51950 Pine Canyon Rd
King City, CA 93930

..T..Mobile..

SFL0050A

A photomontage showing a utility pole with multiple antennas attached. The pole is located on the right side of a road, with a green highway sign for Exit 283 (Fort Hunter Liggett, Jolon Road, 1 mile) visible on the left. The background features a vineyard and rolling hills under a clear blue sky.

Proposed new antennas on an existing tower

Proposed